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create company difficulty accept medical school unfair quota system exist time stand beginning new era medical education citizen 21st century world healthcare charge create patient orient culturally competent cost conscious universally available technically advanced research focus healthcare system run compassionate provider suffice easy task problem- base learning integrate curriculum class interpersonal skill response demand excellent workforce workforce soon thrill choose help journey reach share challenge concern success shape future medicine united states abroad look forward help doctor deserve alexander stone macnow md department pathology laboratory medicine hospital university pennsylvania ba musicology boston university 2008 md perelman school medicine university pennsylvania 2013 scientific american world premier science technology magazine old continuously publish magazine united states scientific american commit bring important development modern science medicine technology worldwide audience understandable credible provocative format found 1845 cutting edge scientific american boast 175 nobel laureate author include albert einstein marie curie francis crick christiane nüsslein volhard stanley prusiner richard axel scientific american forum scientific theory discovery explain broad audience scientific american publish international edition 1890 1979 north american magazine publish people republic china today scientific american publish 14 additional language edition scientific american lead online destination [www.scientificamerican.com](http://www.scientificamerican.com) provide late science news exclusive feature million visitor month knowledge fill page power spark new idea paradigm vision future science race

forward scientific american continue cover promising stride inevitable setback challenge new medical discovery unfold mcat anatomy mcat general overview structure test day chemical physical foundations biological systems critical analysis reasoning skills cars lunch break optional biological biochemical foundations living systems psychological social biological foundations satisfaction survey optional structure section mcat show chemical physical foundations biological systems 44 question passage base 15 discrete stand score 118 132 test general chemistry 30 organic chemistry 15 critical analysis reasoning skill cars question passage base discrete stand score 118 132

test discipline social sciences 50 foundation comprehension 30 reasoning text 30 reasoning text 40 biological biochemical foundation living systems 44 question passage base 15 discrete stand score 118 132 test general chemistry 5 organic chemistry 5 psychological social biological foundation behavior 44 question passage base 15 discrete stand score 118 132

test testing time 375 minute 6 hour 15 minute 447 minute 7 hour 27 minute 472 528 scientific inquiry reasoning skill sirs aamc define scientific inquiry reasoning skills sirs test science section mcat 1 knowledge scientific concept principles 35 question 2 scientific reasoning problem solving 45 question 3 reasoning design execution research 10 4 data base statistical reasoning 10 question let break specific test day behavior note bullet point specific objective sirs take directly official guide mcat exam description behavior mean sample question stem write kaplan skill 1 knowledge scientific concept probably surprising sir testing science knowledge signature quality mcat skill 1 question require following recognize correct scientific principle identify relationship closely relate concept identify relationship different representation concept verbal symbolic graphic identify example observation illustrate scientific principle use mathematical equation solve problem kaplan simply science knowledge skill 1 question way think skill 1 question step problem single step realize scientific concept question stem suggest concept state question stem identify answer choice accurate

application skill 1 question particularly prominent discrete question associate passage question opportunity gain quick point test day know science concept attach question test day 35 question science section skill 1 sample skill 1 question stem proponent james lange theory emotion interpret finding study cite passage following accurately describe function fish human menstrual cycle product reaction 1 reaction 2 combine solution result reaction form ionic bond maintain following force skill 2 scientific reasoning problem solving mcat science section course test straightforward science knowledge skill 2 question common way kaplan critical thinking question skill 2 question require following reason scientific principle theory model analyze evaluate scientific explanation prediction evaluate argument cause consequence bring theory observation evidence draw conclusion recognize scientific finding challenge invalidate scientific theory model determine use scientific formula solve problem skill 1 question think step problem skill

formula solve problem skill 1 question think step problem skill 2 question step problem difficult skill 2 question require step question require wide spectrum reasoning skill include integration multiple fact passage combination multiple science content area prediction experiment result skill 2 question tend ask science content actually mention example question describe result experiment ask predict result second experiment actually tell underlie scientific principle work question difficulty figure principle apply order correct answer test day 45 question science section skill 2 question sample skill 2 question stem follow experimental condition likely yield result similar figure 2 follow conclusion support information passage likely cause anomalous result find impact person chest quickly reduce volume lung 70 initial value allow air escape mouth percentage force outward air pressure increase 2 cm<sup>2</sup> portion inner surface skill 3 reasoning design execution research mcat interested ability critically appraise analyze research important day day task physician question skill 3 experimental research design question short skill 3 question require following identify role theory past finding observation scientific identify testable research question hypothesis distinguish

sample population distinguish result support generalization population identify independent dependent variable reason feature research study suggest association variable causal relationship temporality random assignment identify conclusion support research result determine implication result real world situation reason ethical issue scientific research year aamc receive input medical school require practical research skill mcat test taker skill 3 question response demand skill unique outside knowledge need answer skill 3 question teach undergraduate course instead research design principle need answer question learn gradually science class especially laboratory work complete note skill 3 comprise 10 question science section test day sample skill 3 question stem dependent variable study describe passage major flaw method measure disease susceptibility experiment 1 follow procedure important experimenter follow order study maintain proper randomized sample research subject researcher

follow order study maintain proper randomized sample research subject researcher like test hypothesis individual urban area adulthood likely car live urban area birth follow study well test hypothesis skill 4 data base statistical reasoning lastly science section mcat test ability analyze visual numerical result experiment study data statistical analysis question skill 4 question require use analyze interpret datum figure graph table evaluate representation sense particular scientific observation datum use measure central tendency mean median mode measure dispersion range interquartile range standard deviation describe datum reason random systematic error reason statistical significance uncertainty interpret statistical significance level interpret confidence interval use datum explain relationship variable use datum answer research question draw conclusion skill 4 include mcat

physician researcher spend time examine result study study important legitimate conclusion sound judgment base datum mcat test skill 4 science section graphical representation datum chart bar graph numerical one table list result summarize sentence paragraph form test day

10 question science section skill 4 question sample skill 4 question stem accord information passage inverse conclusion well support finding display figure medical test rare type heavy metal poisoning return positive result 98 affect individual 13 unaffected individual following type error prevalent fourth trial experiment 1 run yield result 54 compliance follow true discuss sir test mcat daunting prospect give nature skill tend conversation abstract practice able identify skill quickly able apply proper strategy solve problem test day need quick reference remind sir guideline help skill 1 science knowledge question ask remember science content skill 2 critical thinking question ask remember science content apply novel situation answer question cleverly combine multiple content area time skill 3 experimental research design question ask let forget science content insight experimental research method involve skill 4 data statistical analysis question ask let forget science content accurately read graph table moment conclusion extrapolation base information present critical analysis reasoning skills cars critical analysis reasoning skills cars section mcat test discrete family textual reasoning skill family require high level reasoning skill 1 foundation comprehension 30 question 2 reasoning text 30 question 3 reasoning text 40 question skill test humanities- social sciences- theme passage approximately 5 7 question passage let depth look skill bullet point specific objective cars take directly official guide mcat exam description behavior mean sample question stem write kaplan foundation comprehension questions skill ask basic fact simple inference passage question similar see reading comprehension section standardized exam like sat ® act ® foundations comprehension question require understand basic component text infer meaning rhetorical device word choice

understand basic component text infer meaning rhetorical device word choice text structure admittedly cover wide range potential question type include main idea detail inference definition context question find correct answer foundations comprehension question follow basic understanding passage point view author occasionally voice passage sample foundations comprehension question stem main idea author primary purpose passage detail

base information second paragraph follow accurate summary opinion hold scatter detail  
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virtuous rebellion define passage strengthen weaken passage)—suppose jane austen write letter sister strong character force circumstance confront basic question society live relevance passage strengthen weaken passage)—which follow sentence add end passage weaken author conclusion paragraph foundations comprehension skill cars section test reading skill build grade school albeit context challenging doctorate level passage skill reasoning text reason text mcat demand understand deep structure passage argument advanced level course test tight timing restriction 102 second question include time spend read passage quick reference guide cars skill foundation comprehension question ask understand passage main idea passage particular detail true author reasoning text question ask logical relationship idea argue author thesis reason text question ask principle passage apply new situation new piece information influence argument section mcat score 118 132 median approximately 125 mean total score range 472 528 median 500 peculiar number aamc stress scale emphasize importance central portion score distribution student score 125 section 500 total put undue focus high end note wrong answer penalty mcat select answer question guess aamc release 2018–2020 correlation scale score percentile show follow page note percentile scale adjust renormalize time shift slightly year year percentile rank update release aamc 1 year source aamc 2021 summary mcat total section scores access december 2021 [https://www.aamc.org/services/mcat-admissions-](https://www.aamc.org/services/mcat-admissions-information) information score reporting include end section test mcat policies procedures strongly encourage download late copy mcat ® essentials available aamc website ensure late information registration test day policy procedure document update annually brief summary important rule provide way register mcat online access aamc registration system [www.aamc.org/mcat](http://www.aamc.org/mcat) able access site approximately month test day aamc designate registration

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fap find [www.aamc.org/students/applying/fap](http://www.aamc.org/students/applying/fap) test day require present qualify form id generally current driver license united states passport sufficient consult aamc website list qualify criterion register care spell name middle name suffix prefix require verify test day precisely appear id failure provide id test center difference spelling registration id consider receive refund exam test day registration identity datum collect include digital palm vein scan test day photo digitization valid id signature testing center use metal detection wand ensure prohibit item bring testing room prohibited item include electronic device include watch timer calculator cell phone form record equipment food drink include water cigarette smoking paraphernalia hat scarf religious purpose book note study material require medical device insulin pump pacemaker apply accommodate testing break allow access food drink electronic device include testing center video surveillance aamc potential violation testing security lightly line know rule break student disability medical condition apply accommodate testing documentation disability condition require request month approve reason recommend begin process apply accommodate testing early possible information apply accommodate testing find test mcat matter feel good leave test center celebrate nap watch movie exercise plan trip outing neglect friend message social media snack drink people like sure absolutely think hard deserve rest relaxation importantly discuss specific detail test important let stress test day relive exam inhibit able significantly examinee agreement sign beginning exam specifically prohibit discuss disclose exam content aamc know seek individual violate agreement retain

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answer follow give question passage question design help build critical thinking experimental reasoning data interpretation skill preparation challenge face mcat follow guide type sidebar find kaplan mcat behavioral sciences review bridge sidebar create connection science topic appear multiple chapter kaplan mcat review key concept sidebar draw attention important takeaway give topic offer synopsis overview complex information understand sure grasp key concepts give subject mcat expertise sidebar point information test mcat offer key strategy point test taking tip apply test day mnemonic sidebar present memory device help recall real world sidebar illustrate concept text relate practice medicine world large information need know test day topic real world sidebar excellent example concept appear passage discrete stand question mcat book cover information present kaplan mcat review series cover list official mcat content list topic list cover level detail common undergraduate postbaccalaureate class consider prerequisite mcat note premedical class include topic discuss book depth book additional exposure science content bad thing content knowledge expect walk test day cover chapter profile page chapter represent holistic look content chapter include pie chart text information pie chart analysis base directly datum release aamc rough estimate importance chapter relation book text portion chapter profiles include aamc content category cover chapter reference directly aamc mcat exam content listing available testmaker website new high yield badge scatter section chapter amino acid find proteins note terminology stereochemistry amino acid structure amino acid hydrophobic hydrophilic amino acids amino acid abbreviation acid base chemistry amino acid protonation deprotonation titration amino acid peptide bond formation hydrolysis peptide bond formation peptide bond hydrolysis primary secondary protein structure tertiary quaternary protein structure folding solvation layer 1.1 amino acid find protein chapter 1.1 able

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review multiple topic study session counterintuitive we're practice skill time order improve skill  
research show weave topic lead increase learning consideration mcat include topic single  
question study integrated manner effective way prepare test customize content draw  
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student learn prioritize time fall hopelessly surprise mcat test specifically design predict  
success medical school high speed

mcats test specifically design predict success medical school high speed time intensive test  
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calendar internet use build calendar app smart device track interactive online calendar pick option practical likely use consistently calendar able start plan study schedule following step 1 fill obligation choose day write school extracurricular work obligation class session work shift meeting attend add personal obligation appointment lunch date family social time etc make appointment calendar hang friend go movie strange plan social activity advance help achieve balance personal professional obligation life get busy have happy balance allow focused productive come time study stay rounded neglect important addition schedule personal professional obligation plan time take time important study kaplan recommend take day week ideally study obligation minimum study mcat 2 add study block obligation establish calendar framework add study block obligation keep study schedule consistent possible day week study time day official test ideal promote recall possible fit study block studying efficient possible block short frequent period study time week learning perspective study hour day day week valuable study hour day week specifically kaplan recommend study long hour sitting hour block plan minute break hour use break seat quick stretch snack drink clear mind minute break 50 minute study sound like lot break allow deal distraction rest brain 50 minute study block remain fully engaged completely focused 3 add length practice test want add length practice test want test early prep spread remain length practice test evenly test date stagger test way allow form baseline comparison determine area focus right away provide realistic feedback prep perform test day

focus right away provide realistic feedback prep perform test day plan calendar aim finish length practice test majority studying week test day allow spend final week complete final review know online resource find sample study calendar different test day timeline use starting point sample calendar include focus need area fit timeline test day need customize study calendar need step total time spend study week depend schedule personal prep need time test day recommend spend range 300–350 hour prepare take official mcat way break study hour day day week month approach study day week hour day study long period time

time study week matter plan ensure complete practice feel completely comfortable mcat  
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book information familiar probably see content careful familiarity subject necessarily translate  
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practice material determine area big opportunity seek take length test sure performance  
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computer online resource simulate computer base test environment complete practice question work scratch paper noteboard sheet write directly print material will option test day memory tie sense test like study environment easy test day recall information put work learn biology behavior science mastery assessment pre med know feeling content know mcat know important high yield badge book help identify important topic science mastery assessment tool mcat prep arsenal quiz take online resource guidance help ensure spend appropriate time chapter base personal strength weakness worry skip mean study later prep complete length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question

answer correctly ensure thinking match explanation understand choice correct incorrect  
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paul broca b. pierre flourens c. franz gall d. sir charles sherrington 2 component nervous  
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child walk uncoordinated fashion region central nervous system likely affect d. spinal cord 4  
temporal lobe deal follow a. language comprehension d. motor skill 5 brain deal homeostasis  
emotion 6 following activity likely complete right hemisphere left handed person a. find car  
parking lot b. learn new language c. read book pleasure d. jump rope friend 7 following true  
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system iii neural crest cell migrate original site a. b. iii c. ii iii d. ii iii 8 following  
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exhibit primitive reflex c. abnormal evidence patient exhibit primitive reflex d. normal evidence patient exhibit primitive reflex 15

following fine motor task expect a. grasp object finger b. follow object eye c. scribble crayon d. move toy hand biology behavior chapter 1.1 brief history neuropsychology 1.2 organization human nervous system central peripheral nervous systems autonomic nervous system 1.3 organization brain method map brain 1.4 part forebrain part diencephalon 1.5 influence behavior endocrine system genetics behavior content chapter relevant 8 question behavioral science mcat chapter cover material follow aamc content 3a structure function nervous endocrine system way system coordinate organ system 7a individual influence behavior wake morning get ready start read mcat behavioral sciences review certainly specific feeling excited crack open book start learn material score mcat dread size rich detail information book way body begin respond impulse mind increase heart rate increase breathing rate dilate eye slow digestion link mind body hot topic medicine explore effect psychology century chapter begin exploration psychology sociology look biological psychology quick survey history neuropsychology look structure organization human nervous system communication nervous endocrine system effect gene environment behavior aspect psychological development 1.1 brief history chapter 1.1 able recall major contribution early neuropsychology connect major contributor early neuropsychology researcher 19th century begin think behavior physiological perspective early thinker form foundation current knowledge neuroanatomy link function specific area brain thought behavior franz gall 1758–1828 early theory behavior intellect personality link brain anatomy develop doctrine phrenology basic idea particular trait develop brain responsible trait expand expansion accord gall push area skull cover brain outward cause bulge head gall believe measure psychological attribute feel measure skull phrenology show false generate research brain function impetus work psychologist remainder 19th century pierre flourens 1794–1867 person study function major section brain extirpation know ablation rabbit pigeon extirpation part brain surgically remove behavioral consequence

observe flourens work lead assertion specific part brain specific function removal weaken  
william james 1842–1910

know founder american psychology study mind adapt environment view form foundation  
system thought psychology know functionalism study mental process help individual adapt  
environment john dewey 1859–1952 important functionalism 1896 article see inception article  
criticize concept reflex arc break process react stimulus discrete part dewey believe  
psychology focus study organism function adapt 1860 paul broca 1824–1880 add knowledge  
examine behavioral deficit people brain damage person demonstrate specific functional  
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helmholtz 1821–1894 measure speed nerve impulse relate measure speed impulse reaction  
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sir charles sherrington 1857–1952 infer existence synopsis conclusion hold time think synaptic  
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concept summary chapter mcat concept check 1.1 assess understanding material question 1  
briefly list main contribution follow scientist neuropsychology hermann von helmholtz sir  
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cell communicate coordinate regulate signal rest body mental physical action occur body react  
external stimulus nervous system section look nervous system basic organization note

information contain section discuss chapter 4 mcat biology review central peripheral nervous systems afferent neuron ascend cord brain efferent neuron exit cord way rest body kind nerve cell nervous system sensory neuron motor neuron interneuron sensory neuron know afferent neuron transmit sensory information receptor spinal cord brain motor neuron know efferent neuron transmit motor information brain spinal cord muscle gland interneuron find neuron numerous type neuron interneuron locate predominantly brain spinal cord link reflexive behavior neural circuit call reflex arc control type reflexive behavior example consider occur step nail receptor foot detect pain pain signal transmit sensory neuron spinal cord point sensory neuron connect interneuron relay pain impulse brain wait brain send signal interneuron spinal cord send signal muscle leg directly cause individual reflexively withdraw foot pain simultaneously reflexively transfer weight foot original sensory information make way brain time muscle respond pain thank cooperation reflex arc let turn overall structure human nervous system diagram figure 1.1 nervous system broadly divide primary component central peripheral nervous system central nervous system cns compose brain

central peripheral nervous system central nervous system cns compose brain spinal cord peripheral nervous system pns contrast nerve tissue fiber outside brain spinal cord note peripheral nervous system include 31 pair nerve emanate spinal cord call spinal nerve 12 pair nerve emanate directly brain call cranial nerve olfactory optic nerve cranial nerve ii structurally outgrowth central nervous system

consider component peripheral nervous system pns connect cns rest body figure 1.1 major division nervous system peripheral nervous system subdivide somatic autonomic nervous system somatic nervous system consist sensory motor neuron distribute skin joint muscle sensory neuron transmit information cns afferent fiber

motor impulse contrast travel cns body efferent fiber autonomic nervous system ans generally

regulate heartbeat respiration digestion glandular secretion word ans manage involuntary muscle associate internal organ gland ans help regulate body temperature activate sweating piloerection depend body hot cold main thing understand function automatic independent conscious control note similarity word autonomic automatic association make easy remember autonomic nervous system manage automatic function heartbeat respiration digestion temperature control autonomic nervous system ans subdivision sympathetic nervous system parasympathetic nervous system branch act opposition mean antagonistic example sympathetic nervous system act accelerate heart rate inhibit digestion parasympathetic nervous system decelerate heart rate increase main role parasympathetic nervous system conserve energy associate rest sleeping state act reduce heart rate constrict bronchi parasympathetic nervous system responsible manage digestion increase peristalsis exocrine secretion acetylcholine neurotransmitter responsible parasympathetic response body function parasympathetic nervous system summarize figure 1.2 figure 1.2 function parasympathetic nervous contrast sympathetic nervous system activate stress include mild stressor keep schoolwork emergency mean difference life death sympathetic nervous system closely associate rage fear reaction know fight flight reaction sympathetic parasympathetic nervous system activate sympathetic nervous system increase heart rate redistributes blood muscle locomotion increase blood glucose concentration relax bronchi decrease digestion peristalsis dilate eye maximize light intake release epinephrine bloodstream function sympathetic nervous system summarize figure figure 1.3 function sympathetic nervous system mcat concept check 1.2 assess understanding material question 1 part nervous system central nervous system cns peripheral nervous system pns 2 afferent neuron efferent neuron 3 function accomplish somatic nervous system autonomic nervous system 4 effect sympathetic nervous system parasympathetic nervous system 1.3 organization brain chapter 1.3 able describe major function hindbrain midbrain forebrain recognize commonly method map brain identify structure protect surround brain section refer figure 1.4 identify anatomical structure inside human brain discuss different part brain important remember function brain

human brain discuss different part brain important remember function brain structure different part brain perform remarkably different function instance brain process sensory information entirely different brain maintain activity internal organ complex function play musical instrument brain region work mcat need know basic brain integrate input figure 1.4 anatomical structure inside human brain brain cover thick layered sheath connective tissue collectively call meninge outer layer connective tissue dura mater connect directly skull middle layer fibrous weblike structure call arachnoid mater inner layer connect directly brain know pia mater layer connective tissue show figure 1.5 meninge help protect brain keep anchor skull meninge resorb cerebrospinal fluid aqueous solution nourish brain spinal cord provide protective cushion cerebrospinal fluid produce specialized cell line ventricle internal cavity brain figure 1.5 layer

meninges human brain divide basic part hindbrain midbrain forebrain notice brain structure associate basic survival locate base brain brain structure complex function locate higher meaningful connection brain location functional complexity accident evolutionary term hindbrain midbrain brain structure develop early form brainstem primitive region brain forebrain develop later include limbic system group neural structure primarily associate emotion memory aggression fear pleasure pain relate limbic system recent evolutionary development human brain cerebral cortex outer covering cerebral hemisphere human cerebral cortex associate language processing problem solving impulse control long term planning key brain region describe follow section summarize table 1.1 table 1.1 anatomical subdivision brain major division principal complex perceptual cognitive emotion memory sensory relay station hunger thirst emotion inferior superior colliculi refine motor movement heart vital reflex vomit cough arousal alertness communication brain breathing prenatal life brain develop neural tube tube compose swelling correspond hindbrain midbrain fore brain hindbrain forebrain later divide swelling create total swelling mature neural tube embryonic

brain diagram figure 1.6 subdivision describe follow section understand relationship structure develop brain fully develop brain important follow section describe structure develop brain structure develop figure 1.6 subdivision embryonic brain locate brain meet spinal cord hindbrain rhombencephalon control balance motor coordination breathing digestion general arousal process sleep waking short hindbrain manage vital functioning necessary survival embryonic development rhombencephalon divide form myelencephalon medulla oblongata metencephalon pons cerebellum developed brain medulla oblongata low brain structure responsible regulate vital function breathing heart rate digestion pons lie medulla contain sensory motor pathway cortex medulla hindbrain mushroom pons cerebellum structure help maintain posture balance coordinate body movement damage cerebellum cause clumsiness slurred speech loss balance notably alcohol impair functioning cerebellum consequently affect speech balance hindbrain midbrain mesencephalon receive sensory motor information rest body midbrain associate

involuntary reflex response trigger visual auditory stimulus prominent nucleus midbrain collectively call colliculi superior colliculus receive visual sensory input inferior colliculus receive sensory information auditory system inferior colliculus role reflexive reaction sudden loud noise midbrain forebrain prosencephalon associate complex perceptual cognitive behavioral process function forebrain associate emotion memory forebrain great influence human behavior function absolutely necessary survival associate instead intellectual emotional capacity characteristic human prenatal development prosencephalon divide form telencephalon form cerebral cortex basal ganglia limbic system diencephalon form thalamus hypothalamus posterior pituitary gland pineal gland methods map brain neuropsychology refer study function behavior associate specific region brain apply research setting researcher attempt associate specific area brain behavior neuropsychology apply clinical setting evaluation patient cognitive behavioral functioning diagnosis treatment brain disorder neuropsychology experimental methodology technology study human patient brain lesion



way researcher determine function brain order conclude specific structure brain responsible specific function researcher look patient exhibit damage structure couple loss function problem study human brain lesion lesion rarely isolate specific brain structure brain structure damage impairment attribute damage structure pinpoint specific link brain structure function difficult method study relationship brain region behavior study brain lesion lab animal advantage approach precisely define brain lesion create animal extirpation researcher produce lesion insert tiny electrode inside brain selectively apply intense heat cold electricity specific brain region electrode place great precision stereotactic instrument provide high resolution three- coordinate image brain ethical cruelty concern notwithstanding study greatly increase understanding comparable neural structure

human neuropsychology method involve electrically stimulate brain record consequent brain activity operate brain surgeon stimulate patient cortex small electrode stimulation cause group neuron fire activate behavioral perceptual process associate neuron instance electrode stimulate neuron motor cortex stimulation lead specific muscle movement electrode stimulate visual cortex patient flash light electrical stimulation neurosurgeon create cortical map method rely assistance patient awake alert pain receptor brain local anesthesia require electrode lab animal study deep region brain depend electrode implant elicit sleep sexual arousal rage terror electrode turn behavior cease electrode record electrical activity produce brain study individual neuron record insert ultrasensitive micro electrode individual brain cell record electrical activity electrical activity generate large group neuron study electroencephalogram eeg involve place electrode scalp broad pattern electrical activity detect record procedure noninvasive cause damage electroencephalogram commonly human subject fact research sleep seizure brain lesion rely heavily eeg like show figure 1.7 figure 1.7 electroencephalogram eeg rem sleep noninvasive mapping procedure regional

cerebral blood flow rcbf detect broad pattern neural activity base increase blood flow different

part brain rcbf rely assumption blood flow increase region brain engage cognitive function  
example listen music increase blood flow right auditory cortex music process region individual  
brain measure blood flow patient inhale harmless radioactive gas special device detect  
radioactivity bloodstream correlate radioactivity level regional cerebral blood flow research  
method use noninvasive computerized scanning common scanning device method  
visualization brain imaging include ct computed tomography know cat computed axial  
tomography scan multiple x ray take different angle process computer produce cross  
sectional image tissue pet positron emission tomography scan radioactive sugar inject absorb  
body dispersion uptake target tissue image mri magnetic resonance imaging magnetic field  
interact hydrogen atom map hydrogen dense region body fmri functional magnetic resonance  
imaging use base technique mri specifically measure change associate blood flow fmri  
especially useful monitor neural activity increase blood flow region brain typically couple  
neuronal activation mri technique dependent reaction hydrogen magnetic field scientific  
principle mri scan apply nmr technique find chapter 11 mcat organic chemistry review mcat  
concept check 1.3 assess understanding material question 1 main function hindbrain midbrain  
2 method map brain 3 structure surround protect brain behavioral science guide

example expert multiple sclerosis demyelinating disease result host neurological physiological  
symptom include muscle weakness numbness spasm visual problem pain unstable mood  
fatigue symptom interesting effort independent patient express subjective feeling fatigue  
result perform physical task typically physically mentally taxing investigate mechanism  
phenomenon researcher follow fmri mask highlight region interest measure neural resource  
use respect subjective fatigue patient ms ms symptom author find fatigue interesting  
subjective fmri iv ms probably dv fmri activity figure 1 fmri mask mask show region interest  
study region b structure call putamen basal ganglia connect provide pathway communication  
structure brain generally influence regulate motor behavior planning learning preparation  
execution motor sequence region b = putamen researcher find difference activity result region

b region b patient relapsing- remit ms control find region c show increase activation course non- fatiguing tonic grip task patient ms increase activation correlate positively subjective fatigue present healthy control subject furthermore control subject show increase activation region course task activation occur patient implicate ms relate fatigue c show activity adapt svolgaard o andersen kw bauer c madsen kh blinkenberg m selleberg f et al 2018 cerebellar premotor activity non fatiguing grip task reflect motor fatigue relapse remit multiple sclerosis plos 13(10 e0201162 base function region study result suggest nature subjective fatigue patient ms compare healthy participant step answer question identify region present study reference question stem particular question worry structure experiment information need result description region author function region b putamen describe paragraph 2 information helpful actual brain color code label low structural resolution image tough tell exactly region b shape mask test day image able infer region b midbrain like structure midbrain probably involve kind relay system additional information

passage text give insight picture provide passage say activity region b patient ms control allow infer difficulty relay motor signal probably cause subjective fatigue base outside content knowledge region c cerebellum know responsible coordinate movement maintain posture balance differential increase activity imply patient ms need resource perform motor task long task maintain region forebrain study region cerebrum recognize region premotor cortex responsible high level motor control motivation specific guess region forebrain executive motor control general location note activity pattern final paragraph guess increase activity region help prevent subjective fatigue patient ms lack activation region contribute experience increase subjective fatigue information form general picture event patient ms cerebellum active presumably consume resource maintain motor movement cerebellum healthy counterpart increase resource consumption patient brain attempt accommodate function region lose result disease indicate great overall demand cognitive process involve movement overtaxing cerebellar resource likely relate increase subjective fatigue experience patient ms

1.4 part forebrain chapter 1.4 able link region forebrain function describe laterality brain body communication role describe function lobe cerebral cortex forebrain modern portion brain human form large portion brain weight volume forebrain contain region derive diencephalon thalamus hypothalamus posterior pituitary pineal gland include derivative telencephalon cerebral cortex basal ganglia limbic system thalamus structure forebrain serve important relay station incoming sensory information include sense smell receive incoming sensory impulse thalamus sort transmit appropriate area cerebral cortex thalamus sensory way station hypothalamus subdivide lateral hypothalamus ventromedial hypothalamus anterior hypothalamus serve homeostatic function key player emotional experience high arousal state aggressive behavior sexual behavior hypothalamus help control endocrine function autonomic nervous system hypothalamus serve homeostatic function self-regulatory process maintain stable balance body receptor hypothalamus regulate metabolism temperature water balance function balance hypothalamus detect problem signal body correct imbalance example osmoreceptor hypothalamus trigger release antidiuretic hormone increase water reabsorption fluid balance hypothalamus primary regulator

antidiuretic hormone increase water reabsorption fluid balance hypothalamus primary regulator autonomic nervous system important drive behavior hunger thirst sexual function hypothalamus f lateral hypothalamus lh refer hunger center special receptor think detect body need food fluid word lh trigger eating drinking hypothalamus remove lab rat refuse eat drink force feed tube survive lateral hypothalamus lh remove lack hunger ventromedial hypothalamus vmh identify satiety center provide signal stop eat brain lesion area usually lead ventromedial hypothalamus vmh destroy anterior hypothalamus control sexual behavior anterior hypothalamus stimulate lab animal mount include inanimate object specie damage anterior hypothalamus lead permanent inhibition sexual activity anterior hypothalamus regulate sleep body temperature part diencephalon diencephalon differentiate form posterior pituitary gland pineal gland connect pathway brain region posterior pituitary comprise axonal

projection hypothalamus site release hypothalamic hormone antidiuretic hormone adh call vasopressin oxytocin function hormone describe chapter 5 mcat biology review pineal gland key player biological rhythm notably pineal gland secrete hormone call melatonin regulate circadian rhythm pineal gland receive direct signal retina coordination sunlight early 1920s researcher discover hypothalamus role rage fighting classic experiment conduct cat researcher remove cat cerebral cortex leave hypothalamus place cat display pattern pseudoaggressive behavior call sham rage lashing tail arching clawing biting rage spontaneous trigger mild touch researcher conclude cortex typically inhibit type response researcher remove cat cortex hypothalamus outcome different cat long show sign sham rage rough stimulation require cat show defensive behavior middle brain group structure know basal ganglia basal ganglion coordinate muscle movement receive information cortex relay information extrapyramidal motor system brain spinal cord extrapyramidal system gather information body position carry information central nervous system function directly motor neuron essentially basal ganglion help movement smooth posture steady parkinson disease chronic illness associate destruction portion basal ganglia disease characterize jerky movement uncontrolled rest tremor basal ganglia play role schizophrenia

jerky movement uncontrolled rest tremor basal ganglia play role schizophrenia limbic system diagram figure 1.8 comprise group interconnected structure loop central portion brain primarily associate emotion memory primary component include septal nucleus amygdala hippocampus anterior cingulate cortex chapter 5 mcat behavioral sciences review explore role thalamus hypothalamus cortex figure 1.8 limbic system james olds peter milner discover association septal nucleus addictive behavior 1950 demonstrate rat stimulate septal region push lever find pleasurable prefer eating activity go 24 hour food sleep septal nucleus contain primary pleasure center brain mild stimulation septal nucleus report intensely pleasurable association nucleus addictive behavior amygdala structure play important role defensive aggressive behavior include fear rage researcher base observation study animal human brain

lesion amygdala damage aggression fear reaction markedly reduce lesion amygdala result docility hypersexual state heinrich klüver paul bucy perform study link amygdala defensive aggressive behavior monkey amygdala rhesus monkey remove note increase sexual behavior decrease fear response hyperorality examination inanimate animate object mouth symptom refer klüver bucy syndrome hippocampus play vital role learning memory process specifically hippocampus help consolidate information form long- term memory redistribute remote memory cerebral cortex hippocampus communicate portion limbic system long projection call fornix researcher originally discover connection memory hippocampus famous patient name henry molaison know h.m.

scientific literature death 2008 part h.m.

temporal lobe include amygdala hippocampus remove effort control epileptic seizure surgery h.m. intelligence largely intact suffer drastic irreversible loss memory new information kind memory loss call anterograde amnesia characterize able establish new long term memory memory event occur brain injury usually intact opposite kind memory loss retrograde amnesia refer memory loss event transpire brain injury learning memory discuss thoroughly chapter 3 mcat behavioral anterior cingulate cortex connection frontal parietal lobe anterior cingulate cortex function high order cognitive process include regulation impulse control decision making maintain connection part limbic system play role emotion motivation outer surface brain call cerebral cortex cortex call neocortex reminder cortex recent brain region evolve have smooth surface cortex numerous bump fold call gyri sulci respectively convoluted structure brain provide increase surface area cerebrum divide half call cerebral hemisphere surface cortex divide lobe frontal lobe parietal lobe occipital lobe temporal lobe lobe identify figure 1.9 show view left cerebral hemisphere figure 1.9 lobe brain lobes brain f pot frontal lobe comprise basic region prefrontal cortex motor cortex prefrontal cortex manage executive function supervise direct operation brain region regulate attention alertness prefrontal

cortex communicate reticular formation brainstem tell individual wake relax depend situation region supervise process associate perception memory emotion impulse control long- term planning memory instance role prefrontal cortex store memory trace remind individual remember damage prefrontal cortex impair overall supervisory function people prefrontal lesion impulsive generally control behavior result individual increase tendency angry outburst high predisposition crying additionally unusual prefrontal lesion vulgar inappropriate sexual remark apathetic emotional response prefrontal cortex integrate information different cortical region prefrontal cortex good example association area area integrate input diverse region brain example multiple input necessary solve complex puzzle plan ahead future reach difficult decision association area generally contrast projection area perform rudimentary perceptual motor task example projection area primary motor

perform rudimentary perceptual motor task example projection area primary motor cortex locate precentral gyrus central sulcus divide frontal parietal lobe function primary motor cortex initiate voluntary motor movement send neural impulse spinal cord muscle consider projection area brain neuron motor cortex arrange systematically accord part body connect organizational pattern visualize motor homunculus show figure 1.10 certain set muscle require fine motor control additional space cortex relative size body figure 1.10

motor homunculus precentral gyrus frontal lobe important frontal lobe broca area vitally important speech production broca area usually find hemisphere call dominant hemisphere people right- left handed left hemisphere parietal lobe locate rear frontal lobe somatosensory cortex locate postcentral gyrus central sulcus involve somatosensory information processing projection area destination incoming sensory signal touch pressure temperature pain despite certain difference somatosensory cortex motor cortex closely related fact interrelated describe single unit sensorimotor cortex somatosensory homunculus show figure 1.11 central region parietal lobe associate spatial processing manipulation region make possible orient

oneself object dimensional space spatial manipulation object apply spatial orientation skill  
require map figure 1.11

somatosensory homunculus postcentral gyrus parietal lobe occipital lobe rear brain contain  
visual cortex call striate cortex striate mean furrow stripe visual cortex appear examine  
microscope visual cortex well understand brain region owe large research visual processing  
sensation perception visual information discuss thoroughly chapter 2 mcat behavioral  
sciences review area occipital lobe implicate learning motor control technique develop assess  
function brain region especially associate language auditory processing technique call speech  
shadowing technique research stuttering speech perception speech shadowing involve  
participant recite auditory input present ear different message present ear dichotic listening  
test speech shadowing ensure participant pay attention auditory input correct ear seemingly  
simple experimental task require successful functioning temporal lobe parietal lobe frontal  
cortex temporal lobe associate number function auditory cortex wernicke area locate  
temporal lobe auditory cortex primary site sound processing include speech music sound  
information wernicke area associate language reception comprehension temporal lobe  
function memory processing emotion language study show electrical stimulation temporal  
lobe evoke memory past event make sense hippocampus locate deep inside temporal lobe  
important note lobe have seemingly independent function truly independent sensory  
modality represent area cerebral hemisphere laterality case brain communicate opposite body  
case cerebral hemisphere communicate contralaterally example motor neuron left brain  
activate movement right body case instance hearing cerebral hemisphere communicate body  
case hemisphere communicate ipsilaterally distinguish dominant nondominant hemisphere  
dominant hemisphere typically define heavily stimulate language reception production past  
hand dominance proxy hemispheric dominance right-handed individual assume left  
dominant brain left-handed individual assume right dominant brain brain communicate  
contralaterally hand correlation hold scrutiny 95 percent right handed individual left brain



dominant 18 percent left-handed individual right brain dominant dominant hemisphere usually left primarily analytic function make suit manage detail instance language logic math skill locate dominant hemisphere language production broca area language comprehension wernicke area primarily drive dominant

production broca area language comprehension wernicke area primarily drive dominant hemisphere corpus callosum connect share information

cerebral hemisphere function discover patient epilepsy corpora callosa sever ditch effort limit convulsive seizure split brain patient corpus callosum sever hemisphere function specialization long accessible example result object feel left hand project right hemisphere name language function usually left hemisphere nondominant hemisphere usually right associate intuition creativity music cognition spatial processing nondominant hemisphere simultaneously process piece stimulus assemble holistic image nondominant hemisphere serve prominent role language sensitive emotional tone speak language permit recognize mood base visual auditory cue add communication dominant hemisphere screen incoming language analyze content nondominant hemisphere interpret accord emotional tone role dominant nondominant hemisphere summarize table 1.2 remember left hemisphere dominant hemisphere individual regardless handedness table 1.2 comparison dominant nondominant hemisphere function speech reading writing complex voluntary movement geometry sense mcat concept check 1.4 assess understanding material question 1 match part brain function 1 basal ganglia 3 cerebral cortex a. smooth movement b. sensory relay station c. sensorimotor reflex 5 inferior 6 limbic system d. arousal alertness e. hunger thirst emotion f. complex perceptual cognitive g. vital function breathing digestion h. coordinate movement i. emotion memory 2 lobe cerebral cortex function 3 difference ipsilateral contralateral communication brain body 4 dominant hemisphere typically define 1.5 influence behavior chapter 1.5 able associate major neurotransmitter common function detail link endocrine

## system brain

explain nature vs. nurture debate different study type explore question merely describe function brain region fully explain wide variety human behavior possible influence behavior include chemical control neurotransmitter hormone endocrine system heredity environment neurotransmitter chemical neuron send signal neuron 100 neurotransmitter identify important describe section summarize table 1.3 drug mimic action neurotransmitter bind receptor produce biological response drug mimic action neurotransmitter call agonist drug act block action neurotransmitter drug table 1.3 neurotransmitter function voluntary muscle control parasympathetic nervous system attention alertness fight flight response wakefulness alertness smooth movement postural stability mood sleep eating dream gaba glycine acetylcholine neurotransmitter find central peripheral nervous system peripheral nervous system acetylcholine transmit nerve impulse muscle neurotransmitter parasympathetic nervous system small portion sympathetic nervous system ganglia innervate sweat gland central nervous system acetylcholine link attention arousal fact loss cholinergic neuron connect hippocampus associate alzheimer disease illness result progressive incurable memory loss acetylcholine neurotransmitter efferent limb somatic nervous system parasympathetic nervous system acetylcholine act excitatory inhibitory neurotransmitter muscle cell dependent type receptor find cell example acetylcholine transmit inhibitory response cardiac muscle cell transmit excitatory response act skeletal muscle cell acetylcholine central nervous system largely function excitatory neurotransmitter epinephrine norepinephrine epinephrine norepinephrine dopamine closely related neurotransmitter know catecholamine similarity molecular composition transmitter classify monoamine biogenic amine important thing know catecholamine play important role experience epinephrine adrenaline norepinephrine noradrenaline involve control alertness wakefulness primary neurotransmitter sympathetic nervous system promote fight flight response norepinephrine commonly act local level neurotransmitter epinephrine secrete adrenal medulla act

systemically hormone low level norepinephrine associate depression high level associate anxiety mania dopamine catecholamine play important role movement posture high concentration dopamine normally find basal ganglion help smooth movement maintain imbalance dopamine transmission find play role schizophrenia important theory origin mental illness call dopamine hypothesis schizophrenia dopamine hypothesis argue delusion hallucination agitation associate schizophrenia arise

schizophrenia dopamine hypothesis argue delusion hallucination agitation associate schizophrenia arise dopamine oversensitivity dopamine brain dopamine hypothesis schizophrenia important theory account finding disease role dopamine schizophrenia parkinson disease see treatment antipsychotic medication schizophrenia dopamine blocker cause motor disturbance extrapyramidal symptom effect parkinson disease treat l dopa increase dopamine level brain overdose l dopa lead psychotic symptom similar schizophrenia parkinson disease associate loss dopaminergic neuron basal ganglia disruption dopamine transmission lead rest tremor jerky movement postural instability catecholamine serotonin classify monoamine biogenic amine neurotransmitter serotonin generally think play role regulate mood eat sleep dream like norepinephrine serotonin think play role depression mania oversupply serotonin think produce manic state undersupply think produce depression gaba glycine glutamate neurotransmitter  $\gamma$  aminobutyric acid gaba produce inhibitory postsynaptic potential think play important role stabilize neural activity brain gaba exert effect cause hyperpolarization postsynaptic membrane glycine well know proteinogenic amino acid serve inhibitory neurotransmitter central nervous system increase chloride influx neuron hyperpolarize postsynaptic membrane similar function finally glutamate proteinogenic amino acid act neurotransmitter central nervous system contrast glycine excitatory neurotransmitter study suggest peptide involve neurotransmission synaptic action neuromodulator call neuropeptide involve complicated chain event postsynaptic cell regular neurotransmitter neuromodulator relatively slow long effect postsynaptic cell neurotransmitter endorphin

natural painkiller produce brain important peptide know endorphin relative enkephalin action similar morphine opioid body endocrine system discuss relatively fast communication network nervous system use chemical message call neurotransmitter endocrine system internal communication network body use chemical messenger call hormone endocrine system somewhat slow nervous system hormone travel target destination bloodstream endocrine system cover extensively chapter 5 mcat biology review focus role certain endocrine organ behavior entire endocrine system cover chapter 5 mcat biology review hypothalamus link endocrine nervous system addition role describe early regulate hormonal function pituitary gland hypothalamus pituitary gland spatially close control maintain endocrine release hormone hypophyseal portal

gland spatially close control maintain endocrine release hormone hypophyseal portal system directly connect organ show figure 1.12 figure 1.12 hypophyseal portal system pituitary gland refer master gland locate base brain divide part anterior posterior anterior pituitary master release hormone regulate activity endocrine gland body anterior pituitary control hypothalamus pituitary secrete hormone bloodstream travel endocrine gland locate body activate activate pituitary give endocrine gland manufacture secrete characteristic hormone bloodstream adrenal gland locate kidney divide part adrenal medulla adrenal cortex adrenal medulla release epinephrine norepinephrine sympathetic nervous system adrenal cortex produce hormone call corticosteroid include stress hormone cortisol adrenal cortex contribute sexual functioning produce sex hormone testosterone estrogen gonad sex gland body ovary female testis male gland produce sex hormone high concentration lead increase level testosterone male increase level estrogen female sex hormone increase libido contribute mating behavior sexual function high level testosterone increase aggressive behavior genetics behavior physical trait inherit parent behavioral trait inherit evidence inherit nature behavior come fact behavior species specific example animal exhibit mating behavior see specie behavior breed species breed dog breed certain trait behavior behavior see run family time

violence aggression observe pass family line bipolar disorder consider heritable disorder include medical illness study have monozygotic identical twin bipolar disorder associate 43 risk diagnose innate behavior genetically program result evolution see individual regardless environment experience contrast behavior consider learn learned behavior base heredity instead base experience environment adaptive value extent trait behavior positively benefit species influence evolutionary fitness specie lead adaptation natural selection natural selection discuss great detail chapter 12 mcat biology individual behavior base genetic makeup base environment experience controversial question refer nature vs. nurture question nature influence inherit characteristic behavior nurture refer influence environment physical surrounding behavior easy answer long debate question individual behavior influence genetic environment factor influence example hereditary trait certain person

influence genetic environment factor influence example hereditary trait certain person likely addictive personality individual expose drug alcohol gambling develop addiction determine degree genetic influence behavior researcher use method family study twin study adoption study family study rely fact genetically relate individual similar genotypically unrelated individual researcher compare rate give trait family member rate trait unrelated individual example family study determine risk develop schizophrenia child patient schizophrenia 13 time high general population sibling patient schizophrenia rate 9 time high observation lead psychologist conclude schizophrenia hereditary component family study limited family share genetic environment family study distinguish share environmental factor share genetic factor example increase rate schizophrenia family result experience emotional climate home genetically share twin study compare concordance rate trait monozygotic mz identical dizygotic dz fraternal twin well able distinguish relative effect share environment genetic concordance rate refer likelihood twin exhibit trait mz twin genetically identical share 100 percent gene dz twin share approximately 50 percent gene assumption twin study individual mz dz twin pair share environment difference mz dz twin think reflect hereditary factor twin

study measure genetic effect relative environmental effect version twin study researcher compare trait twin raise versus twin raise apart example study personality characteristic show mz identical twin raise separate family similar dz fraternal twin raise result offer convincing evidence strong genetic component finally adoption study help understand environmental genetic influence behavior study

compare similarity biological relative child adopt similarity adoptive relative child example researcher find iq child adopt similar biological parent iq adoptive parent iq research suggest iq heritable criminal behavior teenager show similar pattern heritability mcat concept check 1.5 assess understanding material question 1 match neurotransmitter function a. wakefulness b. brain stabilizer c. mood sleep eating d. natural painkiller e. smooth movement f. voluntary muscle control g. brain excitation 2 endocrine organ influence behavior hormone use accomplish 3 briefly discuss influence nature vs. nurture 4 study type sample group control group chapter 1.6 able describe process neurulation link primitive reflex behavior correspond identify main theme dictate stage motor development developmental process begin moment conception physiological change rapid embryonic fetal stage infancy child exhibit surprisingly consistent pattern motor ability physiological change

base age understand change occur important discussion developmental psychology specific period development child particularly susceptible environmental factor call critical period absence appropriate environmental factor result failure learn give skill trait critical period mean learn skill later difficult impossible development nervous system start neurulation week gestational age neurulation occur ectoderm overlie notochord begin furrow form neural groove surround neural fold show figure 1.13 cell lead edge neural fold call neural crest migrate body form disparate tissue include dorsal root ganglia melanocyte pigment produce cell calcitonin produce cell thyroid remainder furrow close form neural tube ultimately form central nervous system cns neural tube alar plate differentiate sensory neuron basal plate

differentiate motor neuron time neural tube invaginate fold time embryonic brain begin swelling prosencephalon mesencephalon rhombencephalon swelling telencephalon diencephalon mesencephalon metencephalon myelencephalon mature brain demonstrate figure 1.6 early chapter figure 1.13 development nervous system prenatal development occur vacuum course mother uterus environment temperature chemical balance orientation fetus respect gravity atmospheric pressure carefully control remain relatively constant fetus attach uterine wall placenta umbilical cord placenta transmit food oxygen water fetus return water waste mother maternal blood supply protein amino acid need growth embryo begin produce protein amino acid variety external influence deleterious effect development fetus number virus bacteria cross placenta cause damage develop fetus include rubella german measles cause cataract deafness heart defect intellectual disability viral infection measles mumps hepatitis influenza varicella chickenpox herpes link birth defect unfortunate effect revolution pharmaceutical development drug help mother damaging effect fetus carry notorious drug thalidomide prescribe late 1950 early 1960 reduce morning sickness mother take drug pregnant give birth baby miss malformed limb defect heart eye ear digestive tract kidney antiepileptic medication associate neural tube defect neural tube fail close completely lead malformation spina bifida anencephaly host environmental factor exposure affect maturation maternal malnutrition consider lead

host environmental factor exposure affect maturation maternal malnutrition consider lead cause abnormal development protein deficiency slow growth lead intellectual disability reduce immunity disease maternal narcotic addiction produce chemically dependent infant undergo severe withdrawal birth regular cigarette smoking lead slow growth increase fetal heart rate great chance premature birth daily use alcohol lead slow growth physically psychologically finally prenatal exposure x ray strongly link intellectual disability defect skull spinal cord eye cleft palate limb helpless infant equip develop somatic structure broad array reflex help ensure survival reflex behavior occur response give stimulus high cognitive input motor

startle reflex exist adult infant number primitive reflex disappear age example rooting reflex automatic turning head direction stimulus touch cheek nipple feeding suck swallow object place mouth example reflex relate feeding primitive reflex serve adaptive purpose early stage human evolution currently mainly assess infant neurological development compare point time reflex disappear relative establish norm possible tell neurological development take place normal fashion reflex moro reflex illustrate figure 1.14 infant react abrupt movement head fling arm slowly retract arm cry speculate reflex develop time prehuman ancestor live tree fall prevent instinctive clutching moro reflex usually disappear month continuation year strong suggestion developmental difficulty asymmetry moro reflex hint underlie neuromuscular problem figure 1.14 moro reflex infant extend arm slowly withdraw babinski reflex cause toe spread apart automatically sole foot stimulate see figure 1.15 grasping reflex occur infant close finger object place hand adult neurological disease exhibit primitive reflex especially illness cause demyelination loss myelin sheath figure 1.15 babinski reflex big toe extend toe fan outward reflexive behavior dominate repertoire neonate behavior occur newborn infant kick turn wave arm uncoordinated unconnected behavior form basis later coordinated movement infant typically develop motor skill age order pattern psychologist doctor agree innately program ability human infant educational richness environment observe affect

innately program ability human infant educational richness environment observe affect rate learning enrich environment promote quick motor skill break class gross fine motor skill gross motor skill incorporate movement large muscle group body motion sit crawl walk fine motor skill involve small muscle finger toe eye provide specific delicate movement fine motor ability include track motion draw catch wave addition motor skill social development occur infancy adolescence birth parental figure center infant world infant age stranger anxiety fear apprehension unfamiliar individual separation anxiety fear separate parental figure develop approximately seven month year respectively time play style progress solitary onlooker year develop parallel play child play alongside influence behavior age child awareness assign



gender birth engage gender stereotype play know age conformity peer romantic feeling begin  
develop age friend circle tend gender expression romantic feeling teenage year child self  
sufficient express desire independence rebel parent inter gender friendship common  
individual aware gender identity sexual orientation begin sexual relationship chapter describe  
ability behavior expect emerge particular time person development skill know developmental  
milestone developmental milestone year life list table 1.4 general timetable base average child  
fall plus minus month chart goal memorize chart recognize theme example gross motor skill  
progress head- toe order child develop ability lift head stabilize trunk finally walk correlation  
development motor skill proximity center body skill develop core prior extremity social skill  
parent orient self oriented oriented language skill discuss chapter 4 mcat behavioral sciences  
review complex structured table 1.4 child development milestone laugh aloud 4 mo repetitive  
respond 8 mo sit support stand help crawl fear fall 9 mo pincer grasp 10 midline 4 wk foot  
mouth 5 bang rattle toy 6 mo issue trust anxiety 7 mo mama dada 10 mo walk 13 18 mo pat  
picture cube 18 mo great variation timing use 10 word

picture cube 18 mo great variation timing use 10 word unscrew jar lid use pronoun parent  
understand use 250 word identify body part point stack cube tiptoe 30 mo able aim self mirror  
cube 36 mo go stair catch ball cut paper use 900 word understand 3600 word stranger  
understand recognize common object answer tell wear foot block mcat concept check 1.6  
assess understanding material question 1 describe process neurulation 2 primitive reflex  
briefly describe 3 main theme dictate stage motor development early childhood behavioral  
psychology study physical mental action base response body external stimulus specifically  
activity nervous endocrine system nervous system complex organization structure neuron  
communicate coordinate information endocrine system conjunction nervous system control  
human behavior aside neurotransmitter hormonal control behavior certain behavior  
genetically pass generation generation physical trait genetic aspect behavior think interact  
learn component behavior human behavior study correlate development embryo fetus infant

adolescence adulthood development motor skill social behavior see progress consistent rate specie chapter focus neurological system interact world notably system exist sensation perception environment include vision hearing smell taste somatosensation review content test knowledge critical thinking skill complete test like passage set online resource brief history neuropsychology neuropsychology study connection nervous system behavior focus function organization human nervous type neuron nervous system sensory afferent neuron motor efferent neuron interneuron reflex arc use ability interneuron spinal cord relay information source stimulus simultaneously route nervous system central nervous system cns brain spinal cord peripheral nervous system pns cranial spinal nerve pns divide somatic voluntary autonomic autonomic system divide parasympathetic rest digest sympathetic fight flight branch organization brain brain subdivision hindbrain midbrain forebrain hindbrain contain cerebellum medulla oblongata midbrain contain inferior superior colliculi forebrain contain thalamus hypothalamus basal ganglia limbic system cerebral cortex method study brain include study human animal lesion electrical stimulation activity recording include electroencephalography

study human animal lesion electrical stimulation activity recording include electroencephalography eeg regional cerebral blood flow part forebrain thalamus relay station sensory information hypothalamus maintain homeostasis integrate endocrine system hypophyseal portal system connect anterior pituitary basal ganglion smoothen movement help maintain postural limbic system contain septal nucleus amygdala hippocampus control emotion memory septal nucleus involve feeling pleasure pleasure- seek behavior addiction amygdala control fear aggression hippocampus consolidate memory communicate part limbic system extension call cerebral cortex divide lobe frontal parietal occipital temporal frontal lobe control executive function impulse control long- term planning motor function speech production parietal lobe control sensation touch pressure temperature pain spatial processing orientation manipulation occipital lobe control visual processing temporal lobe control sound

processing speech perception memory emotion brain divide cerebral hemisphere left right individual left hemisphere dominant hemisphere influences behavior neurotransmitters release neuron carry signal neuron effector muscle fiber gland acetylcholine somatic nervous system muscle parasympathetic nervous system central nervous system alertness dopamine maintain smooth movement steady posture endorphin enkephalin act natural painkiller epinephrine norepinephrine maintain wakefulness alertness mediate fight flight response epinephrine tend act hormone norepinephrine tend act classically  $\gamma$  aminobutyric acid gaba glycine act brain stabilizer glutamate act excitatory neurotransmitter brain serotonin modulate mood sleep pattern eating pattern endocrine system tie nervous system hypothalamus anterior pituitary cortisol stress hormone release adrenal cortex testosterone estrogen mediate libido testosterone increase aggressive behavior release adrenal cortex male testis produce testosterone female ovary epinephrine norepinephrine release adrenal medulla cause physiological change associate sympathetic nervous system nature vs. nurture classic debate relative contribution genetic nature environment nurture individual trait trait nature nurture play role relative effect study family study look relative frequency trait family compare general population twin study compare concordance rate monozygotic identical dizygotic fraternal twin adoption study compare similarity child adopt adoptive parent relative similarity nervous system

compare similarity child adopt adoptive parent relative similarity nervous system develop neurulation notochord stimulate overlying ectoderm fold create neural tube top neural crest cell neural tube central nervous system cns neural crest cell spread body differentiate different tissue primitive reflex exist infant disappear age primitive reflex serve serve early time protective role reappear certain nervous system disorder rooting reflex infant turn head brush cheek moro reflex infant extend arm slowly retract cry response sensation fall babinski reflex big toe extend toe fan response brushing sole foot grasping reflex infant grab hand developmental milestone indication skill ability child give age child adhere closely milestone

deviate month gross fine motor ability progress head toe core social skill shift parent orient  
self orient other- language skill increasingly complex answer concept check franz gall  
phrenology associate development trait growth relevant brain pierre flourens extirpation  
ablation conclude different brain region specific function william james founder american  
psychology push importance study adaptation individual john dewey credit landmark article  
functionalism argue study entire organism paul broca correlate pathology specific brain  
region speech production broca area hermann von helmholtz measure speed nerve impulse  
sir charles sherrington infer existence synapsis 1 central nervous system include brain spinal  
cord peripheral nervous system include cranial spinal nerve sensor 2 afferent sensory neuron  
bring signal sensor central nervous system efferent motor neuron bring signal central  
nervous system effector 3 somatic nervous system responsible voluntary action notably move  
muscle autonomic nervous system responsible involuntary action like heart rate bronchial  
dilation eye exocrine gland function 4 sympathetic nervous system promote fight  
flight response increase heart rate bronchial dilation redistribution blood locomotor muscle  
dilation eye slowing digestive urinary function parasympathetic nervous system promote rest  
digest function slow heart rate constrict bronchi redistribute blood gut promote exocrine  
secretion constrict pupil promote peristalsis urinary balance motor

promote exocrine secretion constrict pupil promote peristalsis urinary balance motor  
coordination breathing digestion general arousal process sleep wake vital functioning receive  
sensory motor information rest body reflex auditory complex perceptual cognitive behavioral  
process emotion memory 2 method map brain include study human brain lesion extirpation  
stimulation record electrode cortical mapping single cell electrode recording  
electroencephalogram eeg regional cerebral blood flow 3 deep superficial structure surround  
brain meninge bone periosteum skin 1 1 2 h 3 f 4 e 5 c 6 7 g 8 d 9 b

executive function impulse control long term planning prefrontal cortex motor function

primary motor cortex speech production broca sensation touch pressure temperature pain  
somatosensory cortex spatial processing orientation manipulation sound processing auditory  
cortex speech perception wernicke area memory emotion limbic system 3 ipsilateral  
communication occur cerebral hemisphere communicate body contralateral communication  
occur cerebral hemisphere communicate opposite body 4 dominant hemisphere typically  
define heavily stimulate language reception 1 1 f 2 e 3 d 4 5 b 6 g 7 c 2

hypothalamus control release pituitary hormone pituitary master gland trigger hormone  
secretion endocrine gland adrenal medulla produce adrenaline epinephrine cause  
sympathetic nervous system effect body adrenal cortex produce cortisol stress hormone  
adrenal cortex testis produce testosterone associate libido 3 nature define heredity influence  
inherit characteristic behavior nurture refer influence environment physical surrounding  
behavior long debate nature nurture large influence complicated situation trait exert influence  
family genetically dizygotic dz fraternal adoptive family relative child relative child 1  
neurulation occur furrow produce ectoderm overlies notochord consist neural groove neural  
fold neural fold grow cell leading edge call neural crest cell neural fold fuse create neural tube  
form cns turn head direction object touch response sudden head movement arm extend  
slowly retract baby usually cry extension big toe fanning toe response brush sole foot hold  
object place hand 3 gross motor development proceed head toe core periphery science  
mastery assessment create knockout study gene function similar ablation extirpation specific  
part organism anatomy remove approach pierre flourens specific part brain serve particular  
function support b correct answer unlike pierre paul broca choice ablate region brain study  
functional impairment individual different brain lesion cerebral cortex involve initial reflexive  
response pain instead sensory receptor send information interneuron spinal cord stimulate  
motor neuron allow quick withdrawal brain ultimately signal reflexive withdrawal occur time  
hindbrain responsible balance motor coordination necessary dribble basketball midbrain b  
manage sensorimotor reflex promote survival forebrain associate emotion memory high order

cognition spinal cord likely damage child walk temporal lobe function motor skill associate area temporal lobe contain wernicke area responsible language comprehension temporal lobe function memory emotion b c contain hippocampus amygdala motor skill associate frontal lobe primary motor cortex basal ganglia smooth movement cerebellum hypothalamus responsible homeostatic emotional function cerebellum responsible maintain posture balance pontine medulla contain sensory motor tract cortex

posture balance pontine medulla contain sensory motor tract cortex medulla thalamus d act relay station sensory information right hemisphere usually nondominant hemisphere left-handed individual sense direction ability nondominant hemisphere answer choice ability attribute neurulation occur notochord cause differentiation overlying ectoderm neural tube neural crest cell neural tube ultimately central nervous system brain spinal cord neural crest cell migrate site body differentiate number different tissue statement iii true catecholamine hormone produce adrenal gland fight flight response include epinephrine norepinephrine dopamine acetylcholine produce cholinergic neuron f increase amount acetylcholinesterase acetylcholine degrade lower acetylcholine level body low level acetylcholine result weakness paralysis muscle pain b could result injure endorphin find low level mood swing c result vary level serotonin hallucination d see result high level dopamine adrenal gland promote fight flight response epinephrine norepinephrine estrogen adrenal cortex produce estrogen testosterone sex mention d derive source estrogen male testosterone female pineal gland responsible produce melatonin control body circadian rhythm insomnia disturbance circadian rhythm attributable pineal gland disorder case hypertension diabetes hyperthyroidism unrelated issue pineal gland william james study mind adapt environment from foundation functionalism correct remain wrong answer choice ascribe scientist answer b describe phrenology theory franz gall answer c describe conclusion paul broca answer d describe conclusion sir charles herrington know conclusion false activity different region brain assume positively correlate blood flow region active increase blood flow change blood flow measure

fmri support c prefer methodology hand mri ct scan mage tissue rule b eeg useful measure  
broad brain activity specific brain region eliminate d babinski reflex primitive reflex refer  
extension big oe accompany fanning toe normal infant hould disappear time certainly time  
child begin walk person year old babinski reflex abnormal despite have neurological illness  
patient exhibit normal esponse brushing foot patient show motor skill tend develop core  
periphery follow

foot patient show motor skill tend develop core periphery follow object eye occur week age  
action require movement hand occur organized fashion later consult online resource  
additional practice behavioral science chapter 2 sensation perception behavioral sciences  
chapter 3 learning memory behavioral science chapter 4 cognition consciousness language  
biology review chapter 3 embryogenesis development biology review chapter 4 nervous  
system biology review chapter 5 endocrine system sensation perception science mastery  
assessment pre med know feeling content know mcat know important high yield badge book  
help identify important topic science mastery assessment tool mcat prep arsenal quiz take  
online resource guidance help ensure spend appropriate time chapter base personal strength  
weakness worry skip mean study later prep complete length test uncover specific piece  
content need review come chapter appropriate use assessment answer 0–7 question correctly  
spend 1 hour read chapter limited note follow review quiz question ensure understand solve  
answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss  
read note correspond subchapter question answer correctly ensure thinking match  
explanation understand choice correct incorrect answer 12–15 question correctly spend 20  
minute review question quiz miss include quick read correspond subchapter relevant content  
subchapter question review question answer correctly ensure thinking match explanation  
review concept summary end chapter 1 weight lifter able tell difference 100 125 pound accord  
weber law lifter notice difference a. 125 150 pound b. 5 6 pound c. 25 35 pound d. 225 275  
pound 2 person party friend loud music background location crowd listen music person hear

like friend laughter turn investigate person exhibit a. feature detection

b. processing c. vestibular sense d. signal detection 3 person restaurant order spicy entrée bite person experience burning mouth concerned food hot bite similarly uncomfortable spiciness subside somewhat end meal person notice spice level end meal experience well describe b. signal detection c. difference threshold d. pain perception 4 sensory receptor send signal response tissue damage 5 eye responsible gather focus light 6 person look change laundry decide look seat household car flashlight allow obscured look space item wrapper paper person see glint silver object lay flat determine coin determination person a. signal detection b. sensory adaptation c. feature detection d. kinesthetic sense 7 eye image project transduce 8 ability sense stimulus skin know b. kinesthetic sense c. vestibular sense 9 follow taste modality 10 follow well describe difference endolymph a. endolymph find vestibule perilymph find b. endolymph find cochlea perilymph find c. endolymph find membranous labyrinth perilymph find bony labyrinth d. endolymph find bony labyrinth perilymph find 11 chemical compel behavior bind b. olfactory receptor 12 prolonged vitamin b12 deficiency associate subacute combined degeneration spinal cord patient disease difficulty walk lose ability feel foot space represent loss a. vestibular sense b. kinesthetic sense c. parallel processing d. feature detection 13 person proofread paper read long misspell word e replace o. person recognize error read word correct follow explain proofreader read word correct a. parallel processing b. feature detection c. processing d. processing 14 corporate logo use unconnected angle equally space circular fashion view appear star follow logo artist create complete pattern viewer a. processing b. processing c. gate theory d. gestalt principle 15 patient come tumor pituitary gland grow upward optic chiasm cause visual field defect likely defect compression optic chiasm a. complete blindness eye b. loss upper visual field eye c. loss nasal visual field eye d. loss

temporal visual field eye sensation perception chapter 2.1 sensation vs. perception signal



detection theory structure function eye 2.3 hearing vestibular sense structure function ear

2.4 sense 2.5 object recognition content chapter relevant 6 question behavioral science mcat chapter cover material following aamc content category 6a sense environment time visit new city wait explore area try new café restaurant famous landmark want sight sound new place want sensory experience truly experience location sensory receptor vision hearing taste smell somatosensation gather information world brain filter process information focus salient detail activity involve complex interplay sensory process neural tract brain finally arrive new city begin explore turn corner street suddenly overwhelm odd feeling familiarity think strange sensation déjà vu set right sign proper place car look familiar bizarrely expect déjà vu french see come source include process information fast expect process image sensory input time actually take long time expose stimulus exposure scenery early time movie television prime déjà vu feel déjà vu time image memory come topic discuss chapter 3 mcat behavioral sciences review phenomenon déjà vu come brain sensory receptor say yes see tandem memory system say know chapter focus concept sensation associate receptor include eye hair cell ear perception complex brain function associate process sensory information briefly touch sensory modality include vestibular sense taste smell somatosensation kinesthetic sense consider role sense play help interact world 2.1 sensation vs. perception chapter 2.1 able explain pathway stimulus reach conscious perception connect common sensory receptor function describe absolute threshold threshold conscious perception explain weber law signal detection theory describe sensory adaptation affect difference threshold common parlance use term sensation perception interchangeably synonym field psychology term specific definition commonly contrast sensation appropriately align transduction mean take physical electromagnetic auditory information internal external environment convert information electrical signal nervous system sensation perform receptor peripheral nervous system forward stimulus central nervous system form action potential neurotransmitter sensation think raw signal unfiltered unprocessed enter central nervous system perception hand refer

process

unfiltered unprocessed enter central nervous system perception hand refer process  
information central nervous system order sense information significance complex  
manipulation involve perception include external sensory experience internal activity brain  
spinal cord perception help sense world difference sensation perception key challenge create  
artificial intelligence easily create sensor robot pick information environment teach  
comprehend respond information far challenging sensory processing common topic mcat  
understand definition term able apply concept day day sensory experience sensory receptor  
neuron respond stimulus trigger electrical signal carry information central nervous system  
physical object outside body refer distal stimulus object produce photon sound wave heat  
pressure stimulus directly interact sensory receptor sensory stimulate byproduct call proximal  
stimulus example campfire distal stimulus photon emit fire sound crackle popping energetic  
gas particle transfer heat energy proximal stimulus proximal stimulus directly interact affect  
sensory receptor inform observer presence distal stimulus sensory receptor encode multiple  
aspect stimulus example photoreceptor respond light encode brightness light color shape  
relationship physical nature stimulus sensation perception stimulus evoke study field  
psychophysics distal = distance proximal = close proximity order inform central nervous system  
signal stimulus pass specific sensory pathway case different type receptor generally nerve  
ending specific sensory cell receive stimulus transduce stimulus electrical signal transmit  
datum central nervous system sensory ganglion ganglion collection neuron cell body find  
outside central nervous system transduction sensory ganglia occur electrochemical energy  
send neural pathway projection area brain analyze sensory input sensory receptor differ sense  
dozen recognize sensory receptor mcat unlikely test half heavily test receptor include  
photoreceptor respond electromagnetic wave visible mechanoreceptor respond pressure  
movement hair cell example respond movement fluid inner ear structure movement vibration  
hearing rotational linear acceleration nociceptor respond painful noxious stimulus

somatosensation thermoreceptor respond change temperature osmoreceptor respond  
osmolarity blood water olfactory receptor respond volatile compound smell taste receptor  
respond dissolve compound taste perception like

compound smell taste receptor respond dissolve compound taste perception like sensation  
closely tie biology physiology interpret world unlike sensation perception inextricably link  
experience internal external bias sensation relay brain perceive significance stimulus illustrate  
significance perception mind sensory information send central nervous system form action  
potential central nervous system interpret act example central nervous system determine  
incoming action potential thermoreceptor indicate object hot cold temperature difference  
cause harm sensation produce radically different perception different people variation explain  
central nervous system activity perception consider mcat threshold frequently conjunction  
subject study lookout experimental design question threshold appear passage good example  
psychological element perception threshold minimum stimulus render difference perception  
example temperature noticeably change warm cool sun set subtle fluctuation temperature  
day generally unnoticeable difference threshold sound volume increase 10 db time sound  
intensity change usually obvious volume increase 0.1 db change small detect main type  
threshold absolute threshold threshold conscious perception difference absolute threshold  
minimum stimulus energy need activate sensory system threshold threshold sensation  
perception human sensory system extremely sensitive system absolute threshold stimulus  
transduce action potential information send central nervous system example sound extremely  
low intensity cause slight vibration sensory receptor inner ear vibration significant open ion  
channel link sensory receptor absolute threshold sweet taste teaspoon sucrose dissolve gallon  
water clear dark night light shine eye detect light candle burn thirty mile away talk absolute  
threshold talk bright loud intense stimulus sense absolute threshold minimum intensity  
stimulus transduce convert action potential know absolute threshold discussion sound  
chapter 7 mcat physics math review remember  $m^2$  equation sound level absolute threshold

normal threshold conscious perception possible sensory system send signal central nervous system person perceive signal lack conscious perception stimulus subtle demand attention brief duration brain fully process information level intensity stimulus pass order consciously perceive brain threshold conscious perception way contrast information receive

consciously perceive brain threshold conscious perception way contrast information receive central nervous system cross threshold call subliminal perception note difference absolute threshold threshold conscious perception stimulus absolute threshold transduce reach central nervous system stimulus threshold conscious perception arrive central nervous system reach high order brain region control attention consciousness contrary common thinking actually little practical value subliminal perception sell product latin word threshold limina subliminal literally threshold threshold refer term subliminal perception threshold conscious perception signal subliminal strong pass absolute threshold strong pass threshold conscious perception commonly study threshold difference threshold call noticeable difference jnd stimulus difference threshold refer minimum change magnitude require observer perceive different stimulus fact different difference stimulus difference threshold stimulus observer example imagine sound wave play have frequency 440 hz second have frequency 441 hz sound different formal ear training individual hear difference range sound frequency noticeable difference listener 3 hz average person hear difference pitch sound wave need 440 hz 443 hz difference threshold pitch sound previous example illustrate common experimental technique researcher use explore difference threshold technique call psychophysical discrimination testing discrimination testing common discrimination testing experiment participant present stimulus stimulus vary slightly

researcher ask participant report perceive change difference continue increase participant report notice change interval record noticeable return example sound difference 440 hz sound 443 hz sound noticeable people discrimination testing researcher discover absolute difference

3 hz case far important percent difference reason noticeable difference usually report fraction  
percent compute percent divide change stimulus magnitude original stimulus example  
compute 3 hz 440 hz =  $0.0068 = 0.68$  illustrate percentage consider 1000 hz sound increase  
0.68 result sound frequency 1007 hz average person difference pitch 1000 hz 1007 hz  
noticeable contrast difference 1000 hz 1003 hz noticeable 3 hz difference noticeable low  
frequency range 3 hz difference noticeable high frequency range ernst heinrich weber  
1795–1878

credit observation difference threshold proportional compute percentage idea call weber law  
weber law apply perception number sense include perception loudness pitch sound  
perception brightness light perception weight object mcat bring weber law question usually  
numerical relationship ask apply typically solution simply amount apply ratio signal detection  
theory perception stimulus affect nonsensory factor experience memory motive expectation  
signal detection theory study internal psychological external environmental factor influence  
threshold sensation perception example loud need yell crowd attention answer depend  
environmental factor like size crowd social factor like makeup crowd comfort individual  
psychological factor like expect call personality factor like level introversion extroversion  
signal detection theory factor treat like independent variable example researcher measure  
likely person hear call person inform point call versus person leave basic signal detection  
experiment consist trial trial stimulus signal present trial signal present call noise trial signal  
present call catch trial trial subject ask indicate signal present possible outcome trial illustrate  
figure 2.1 hit trial signal present subject correctly perceive signal miss trial subject fail perceive  
present signal false alarm trial subject indicate perceive signal signal present correct negative  
trial subject correctly identify signal present track rate outcome researcher able identify factor  
influence perception figure 2.1 possible outcome signal detection surface signal detection  
experiment appear easy task individual easily able tell perceive consider thought process  
occur quietly study library phone silent suddenly think hear buzz phone ring wonder freeze

place wait buzz come convinced hear signal check phone perception passive matter ability  
detect stimulus change time adaptation adaptation physiological sensory component  
psychological perceptual component example pupil eye dilate dark constrict light illustrate  
physiological adaptation similarly loud environment small muscle middle ear reflexively  
contract order dampen vibration ossicle reduce sound intensity adapt somatosensory  
stimulus cold water long cold body dress stop feel clothe body reason think adaptation way  
mind

dress stop feel clothe body reason think adaptation way mind body try focus attention  
relevant stimulus usually change environment mcat concept check 2.1 assess understanding  
material question 1 pathway stimulus reach conscious 2 match sensory receptor function 1  
hair cell 6 taste receptor a. sense painful bothersome physical b. sense change temperature c.  
sense electromagnetic radiation visible range d. sense change blood e. sense volatile chemical  
f. sense motion fluid inner ear g. sense dissolve chemical 3 threshold provide brief threshold  
conscious perception 4 aspect threshold weber law signal detection theory focus signal  
detection theory 5 sensory adaptation affect difference threshold chapter 2.2 able list function  
part eye include cornea pupil iris ciliary body canal schlemm lens retina sclera describe parallel  
processing identify cell type responsible color shape motion detection recall structure visual  
pathway vision highly adapt sense human being ability sense brightness color shape  
movement integrate information create cohesive dimensional model world visual pathway  
extremely important everyday life fact vision sense entire lobe brain devote occipital lobe  
individual experience vision differently color deficient partially sighted mcat focus primarily  
detail unimpaired vision structure function eye anatomy eye show figure 2.2 figure 2.2  
anatomy eye eye specialize organ detect light form photon expose portion eye cover thick  
structural layer know sclera white eye sclera cover frontmost portion eye cornea eye supply  
nutrient set blood vessel choroidal vessel complex intermingling blood vessel sclera retina  
retinal vessel innermost layer eye retina contain actual photoreceptor transduce light

electrical information brain enter eye light pass cornea clear domelike window eye gather focus incoming light eye divide anterior chamber lie iris posterior chamber iris lens iris color eye compose muscle dilator pupillae open pupil sympathetic stimulation constrictor pupillae constrict pupil parasympathetic stimulation iris continuous choroid vascular layer connective tissue surround provide nourishment retina iris continuous ciliary

layer connective tissue surround provide nourishment retina iris continuous ciliary body produce aqueous humor bathe eye drain canal schlemm lens lie right iris help control refraction incoming light contraction ciliary muscle component ciliary body parasympathetic control muscle contract pull suspensory ligament change shape lens focus image distance vary phenomenon know accommodation lens lie vitreous humor transparent gel support retina retina eye like screen consist neural element blood vessel function convert incoming photon light electrical signal actually consider central nervous system develop outgrowth brain tissue duplexity duplicity theory vision state retina contain kind photoreceptor specialized light dark detection specialize color detection retina approximately 6 million cone 120 million rod cone color vision sense fine detail cone effective bright light come from name wavelength light well absorb show figure 2.3 figure 2.3 relative absorption type cone different wavelength cone name wavelength high light absorption short s call blue medium m green long l red cone color vision rod function well reduced light reduced illumination rod functional cone rod cell highly sensitive photon somewhat easy stimulate cone cell sensitivity rod fact rod contain single pigment type call rhodopsin general color vision require far light cone respond certain wavelength light contrast rod stimulate light color rod permit vision reduced light tradeoff rod allow sensation light dark individual rod highly sensitive light useful detect fine detail rod spread large area retina rod cone human eye central section retina call macula high concentration cone fact centermost region macula call fovea contain cone move away fovea concentration rod increase concentration cone decrease visual acuity good fovea fovea sensitive normal daylight vision distance away center retina optic nerve leave eye region

retina devoid photoreceptor call optic disk give rise blind spot show figure 2.4 figure 2.4 specialized region retina rods cone specialize neuron like neuron connect neuron synapsis

retina rods cone specialize neuron like neuron connect neuron synapsis rod cone connect directly optic nerve layer neuron show figure 2.5 rod cone synapse directly bipolar cell highlight gradient adjacent rod cone bipolar cell synapse ganglion cell axon group form optic nerve bipolar ganglion cell fall rod cone optic nerve bipolar ganglion cell actually locate rod cone close eye arrangement mean photon actually navigate past layer cell reach rod cone retina information transmit forward form action potential rod cone cell signal reach ganglion cell observe figure 2.5 significantly photoreceptor cell ganglion cell output ganglion cell represent combine activity rod cone result pruning detail information photoreceptor combine number receptor converge bipolar neuron ganglion cell increase resolution decrease average number cone converge individual ganglion cell small rod arrangement help explain color vision great sensitivity fine detail black white vision figure 2.5 cell retina show figure 2.5 amacrine horizontal cell receive input multiple retinal cell area information pass ganglion cell amacrine horizontal cell accentuate slight difference visual information bipolar cell example cell important edge detection increase perception contrast visual pathway refer anatomical connection eye brain flow visual information connection pathway illustrate figure 2.6 terminology pathway confusing simple rule thumb start object left photon object stimulate right retina eye help visualize result look figure 2.6 figure object left represent black patch photon object enter eye stimulate retinal fiber illustrate color orange result simple geometry object left photon object travel continue travel right stimulate right eye retina retinal fiber eye project right brain lead famous result visual information object left process right brain similarly object right blue patch figure photon object stimulate left retina green nerve visual data send left brain figure 2.6 visual pathway help describe phenomenon specificity scientist use term temporal nasal retinal fiber example consider object left represent figure 2.6 black patch



fiber example consider object left represent figure 2.6 black patch eye photon object strike retinal fiber illustrate figure 2.6 color orange notice right eye orange fiber lateral retina close temple fiber call temporal fiber right eye left eye orange fiber medial close nose call nasal fiber left eye photon object need cross nose reach eye object right nose object say nasal visual field eye scientist describe placement object space relative eye term temporal nasal refer temporal nasal visual field terminology well explain example imagine object little left photon object cross nose order reach right eye object describe nasal field right eye think carefully happen photon enter right eye continue head right ultimately strike temporal fiber right right eye pay close attention terminology say object nasal field right eye stimulate temporal fiber eye mixing terminology nasal field stimulate temporal fiber illustrate crossing visual information contrast object remember spatially left photon enter left eye directly object describe temporal field left eye photon strike nasal fiber left eye mixing terminology object temporal field left eye photon strike nasal fiber left eye retinal fiber eye travel optic nerve brain significant event occur optic chiasm nasal fiber left right eye cross path notice nasal fiber cross optic chiasm example help illustrate visual information object left ultimately process right brain photon object capture left eye visual information need route opposite brain routing optic chiasm use nasal temporal terminology object left stimulate nasal fiber left eye nasal fiber route optic chiasm right brain contrast object left stimulate temporal fiber right eye temporal fiber right body need cross nasal fiber cross optic chiasm reorganize pathway call optic tract leave optic chiasm end result visual information

emanate object left

ultimately process right brain eye temporal visual field stimulate nasal retinal fiber nasal visual field stimulate temporal retinal fiber summarize gain practice terminology consider object right represent figure 2.6 blue patch stimulate fiber illustrate color green notice term depend

eye consider let start left eye object right nasal field left eye photon cross nose reach left eye photon stimulate temporal fiber left eye nasal field stimulate temporal fiber temporal fiber left body route directly left brain consider right eye object spatially right temporal field right eye stimulate nasal fiber eye order bring visual information left brain nasal fiber route optic chiasm trend mind temporal field eye stimulate nasal fiber eye vice versa second nasal fiber cross optic chiasm optic chiasm information go different place brain nerve fiber pass lateral geniculate nucleus lgn thalamus synapse nerve pass radiation temporal parietal lobe visual cortex occipital lobe connectivity make sense thalamus well- know connect route center forebrain nerve fiber branch optic tract skip thalamus head directly superior colliculi midbrain control reflexive response visual stimulus reflexive eye movement sudden bright flash light superior colliculus align eye likely stimulus word superior colliculus sympathetic nervous system give deer headlight appearance startle response ability sense light information environment useful right effectively interact environment able sense visual stimulus connection optic tract lgn visual cortex help create cohesive image world phenomenon know parallel processing visual parallel processing brain ability analyze information color form motion depth simultaneously i.e. parallel independent pathway brain example people quickly easily recognize move car distance speed recognition facilitate fact form car i.e. shape motion car process simultaneously separate parallel pathway brain let explore aspect vision process specialize cell contribute detection describe previously cone responsible perception color form refer shape object ability discriminate object interest background detect boundary neuron carry information fovea surround central portion retina

detect boundary neuron carry information fovea surround central portion retina synapse parvocellular cell lateral geniculate nucleus cell high color spatial resolution cell permit detect fine detail thoroughly examine object parvocellular cell work stationary slow move object cell low temporal resolution conversely magnocellular cell suit detect motion cell high temporal resolution reflect fact form motion process parallel magnocellular cell parvocellular cell locate

distinct layer lateral geniculate nucleus magnocellular cell predominantly receive input periphery vision allow rapid detection object approach side magnocellular cell low spatial resolution rich detail object long see object motion magnocellular cell provide blurry move image object magnocellular cell specialize motion detection depth perception ability discriminate dimensional shape environment judge distance object largely base discrepancy input brain receive eye follow mcat behavioral sciences review section 2.5 object recognition specialized cell visual cortex know binocular neuron responsible compare input hemisphere detect difference finally brain good process visual information learn associate certain pattern stimulus expect behavior outcome assist slew specialized cell call feature detector exist visual cortex feature detector cell type detect particular individual feature object visual field example look stop sign activate feature detector color red feature detector respond white border letter type feature detector recognize horizontal line activate angled line octagon need individually process feature time overall combination feature detector activate parallel finally response stop sign i.e. stop store future retrieval mcat concept check 2.2 assess understanding material question 1 list function part eye canal schlemm 2 list structure visual pathway light enter cornea visual projection area brain 3 parallel processing 4 feature detection type cell responsible color form motion depth 2.3 hearing vestibular sense chapter 2.3 able identify structure detect linear acceleration rotational explain structural feature cochlea hair cell able transmit information pitch incoming sound brain list structure auditory pathway ear complex organ responsible sense hearing vestibular sense

auditory pathway ear complex organ responsible sense hearing vestibular sense ability detect rotational linear acceleration use information inform sense balance spatial orientation sense critically important ability world associate structure encase dense bone body protect structure damage recognize individual differ hearing vestibular sense vision mcat primarily focus standard healthy operation sense structure function ear ear divide part show figure 2.7 outer middle inner ear sound wave reach cartilaginous outside ear call pinna auricle main function

pinna channel sound wave external auditory canal direct sound wave tympanic membrane eardrum membrane vibrate phase incoming sound wave frequency sound wave determine rate tympanic membrane vibrate move forth high rate high frequency sound slowly low frequency sound loud sound great intensity correspond increase amplitude vibration figure 2.7 anatomy ear remember sound longitudinal wave carry air medium cause displacement particle parallel axis sound propagation word sound wave hit eardrum literally cause oscillate forth move air particle sound discuss chapter 7 mcat physics math review tympanic membrane divide outer ear middle ear middle ear house small bone body call ossicle ossicle help transmit amplify vibration tympanic membrane inner ear malleus hammer affix tympanic membrane act incus anvil act stape stirrup baseplate stape rest oval window cochlea entrance inner ear middle ear connect nasal cavity eustachian tube help equalize pressure middle ear environment inner ear sit bony labyrinth hollow region temporal bone contain cochlea vestibule semicircular canal show figure 2.8 inside bony labyrinth rest continuous collection tube chamber call membranous labyrinth collection structure contain receptor sense equilibrium hearing membranous labyrinth fill potassium rich fluid call endolymph suspend bony labyrinth thin layer fluid call perilymph perilymph simultaneously transmit vibration outside world cushion inner ear structure figure 2.8 membranous bony labyrinth membranous labyrinth fill endolymph blue suspend bony labyrinth fill cochlea spiral shaped organ contain receptor hearing divide part call

cochlea spiral shaped organ contain receptor hearing divide part call scalae show figure 2.9 scalae run entire length cochlea middle scala house actual hearing apparatus call organ corti rest thin flexible membrane call basilar membrane organ corti compose thousand hair cell bathe endolymph organ corti relatively immobile membrane call tectorial membrane scalae fill perilymph surround hearing apparatus continuous oval round window cochlea sound enter cochlea oval window cause vibration perilymph transmit basilar membrane fluid essentially incompressible round window membrane cover hole cochlea permit perilymph actually

cochlea like rod cone eye hair cell organ corti transduce physical stimulus electrical signal carry central nervous system auditory vestibulocochlear nerve figure 2.9 structure cochlea cross section junction stape oval window extremely similar thermodynamic gas piston system describe chapter 3 mcat physics math review fluid compressible gas round window present allow perilymph cochlea actually forth stapedial footplate vestibule refer portion bony labyrinth contain utricle saccule structure sensitive linear acceleration balance apparatus determine orientation dimensional space utricle saccule contain modify hair cell cover otolith body accelerate otolith resist motion bend stimulate underlie hair cell send signal brain utricle saccule sensitive linear acceleration semicircular canal sensitive rotational acceleration semicircular canal arrange perpendicularly end swelling call ampulla hair cell locate head rotate endolymph semicircular canal resist motion bend underlie hair cell send signal brain lateral geniculate nucleus lgn light medial geniculate nucleus mgn music auditory pathway brain bit complex visual pathway sound information pass vestibulocochlear nerve brainstem ascend medial geniculate nucleus mgn thalamus nerve fiber project auditory cortex temporal lobe sound processing information send superior olive localize sound inferior colliculus involve startle reflex help eye fix point head turn vestibulo ocular reflex hair cell name long tuft stereocilia surface show figure 2.10 vibration reach basilar membrane underlie organ corti stereocilia adorn hair cell begin sway forth endolymph swaying

corti stereocilia adorn hair cell begin sway forth endolymph swaying cause opening ion channel cause receptor potential certain hair cell directly connect immobile tectorial membrane hair cell involve amplify incoming sound figure 2.10 stereocilia hair cell movement fluid inside cochlea lead depolarization neuron associate hair cell basilar membrane change thickness depend location cochlea accepted theory sound perception place theory state location hair cell basilar membrane determine perception pitch hair cell vibrate high frequency pitch cause vibration basilar membrane close oval window low frequency pitch cause vibration apex away oval window cochlea tonotopically organize hair cell vibrate give

brain indication pitch behavioral science guide example expert researcher seek explain  
puzzling phenomenon difference frequency auditory stimulus correspond great proportional  
increase perceive pitch take weber law account translate noise sound high high frequency  
necessarily perceive high high pitch reference outside knowledge need recall weber law  
researcher hypothesize difference pitch specifically sound familiar human speech amplify  
perceptually compare unfamiliar sound participant listen recording human vocalization  
synthesize tone 165 hz couple independent variable type sound frequency dependent variable  
participant report adapt monson bb han s purves d 2013 auditory percept determine  
experience plos 8(5 e63728 result help support researcher hypothesis effect result place  
theory sound encounter experimental passage mcat thing lookout hypothesis independent  
dependent variable result present effect hypothesis conclusion researcher come conclusion  
reasonable give result piece miss anticipate question ask identify possibility fit passage  
outside content knowledge give hypothesis result question ask result support hypothesis  
need dive scenario identify test use information conjunction content knowledge answer  
question researcher hypothesize difference perceive pitch amplify commonly encounter  
sound moment consider researcher expect hypothesis correct stand reason difference  
perceive pitch 165 hz 175 hz sample large voice hear time synthesize tone hear word result  
help support researcher hypothesis experimental evidence human vocalization sound  
different pitch synthesize tone

hypothesis experimental evidence human vocalization sound different pitch synthesize tone  
despite absolute difference frequency remain second question need recall place theory  
predict perceive pitch result directly location hair cell vibrate expose frequency high frequency  
vibrate hair cell close oval window low frequency vibrate hair cell far away important accord  
place theory type sound irrelevant sound frequency perceive way hypothesis study  
hypothetical result imagine support hypothesis place theory question accord passage similar  
change vibration perceive change pitch accord study perceive pitch instead depend nature

sound perceive listener note new finding affect place theory sound sensation detection accurate experiment specifically sound perceive sense sum support researcher result find great perceive difference pitch vocal sample compare synthesize audio sample finding contradict place theory sound perception mcats concept check 2.3 assess understanding material question 1 structure detect linear acceleration 2 list structure auditory pathway sound enter pinna auditory projection area 3 organization cochlea indicate pitch incoming sound 2.4 sense chapter 2.4 able list structure olfactory pathway distinguish chemical detect nose mouth recall main modality somatosensation vision hearing far heavily test sense mcats sense consider fair game test day include chemical sense smell taste somatosensation include modality touch kinesthetic sense smell impressive motivator behavior food aroma person hungry familiar fragrance remind person significant year ago unpleasant smell signify unknown bottle contain dangerous chemical water smell sense pass thalamus travel unfiltered high order brain smell consider chemical sense mean respond incoming chemical outside world specifically smell respond volatile aerosolize compound olfactory chemoreceptor olfactory nerve locate olfactory epithelium upper nasal cavity chemical stimulus bind respective chemoreceptor cause signal tremendous number specific chemoreceptor allow recognize subtle difference similar scent lavender jasmine smell carry interpersonal information medium pheromone chemical secrete animal bond chemoreceptor compel urge animal behave specific way pheromone debatable effect human play enormous role animal social foraging

pheromone debatable effect human play enormous role animal social foraging sexual behavior true sense define olfactory pathway brain odor molecule inhale nasal passage contact olfactory nerve olfactory epithelium receptor cell activate send signal olfactory bulb signal relay olfactory tract high region brain include sense taste simple imagine basic taste sweet sour salty bitter umami savory flavor synonymous taste refer complex interplay smell taste affect nonchemical stimulus like texture tastes detect chemoreceptor sensitive dissolve

compound saltiness example reaction alkali metal generally trigger sodium find table salt sourness hand reaction acid lemon juice vinegar sweet bitter savory flavor trigger specific molecule bind receptor receptor taste group cell call taste bud find little bump tongue call papilla taste information travel taste bud brainstem ascend taste center thalamus travel high order brain region somatosensation reduce touch list sense actually complex somatosensation usually describe have modality pressure vibration pain temperature different type receptor receive tactile information include pacinian corpuscle respond deep pressure vibration meissner corpuscle respond light touch merkel cell disc respond deep pressure texture ruffini ending respond stretch free nerve ending respond pain temperature pain temperature actually use different pathway pressure vibration spinal cord see brown séquard syndrome half spinal cord sever patient lose pressure vibration sense lesion lose pain temperature sensation transduction occur receptor send signal central nervous system eventually travel somatosensory cortex parietal lobe additional concept relate touch perception important know point threshold physiological zero gate theory pain point threshold refer minimum distance necessary point stimulation skin point feel distinct stimulus point threshold stimulus feel size point threshold depend density nerve particular area skin test temperature judge relative physiological zero normal temperature skin 86 ° 97 ° f object feel cold physiological zero object feel warm physiological zero pain perception somatosensory system result signal send variety sensory receptor commonly nociceptor pain rely

result signal send variety sensory receptor commonly nociceptor pain rely threshold vary greatly person person example temperature water perceive hot hurt vary degree individual gate theory pain propose special gating mechanism turn pain signal affect perceive pain theory spinal cord able preferentially forward signal touch modality pressure temperature brain reduce sensation pain gate theory supersede theory useful model understand touch process gate theory pain explain rub injury like bump knee table reduce pain injury kinesthetic



sense call proprioception refer ability tell body space example eye close describe location position hand receptor proprioception call proprioceptor find muscle joint play critical role hand eye coordination balance mcat concept check 2.4 assess understanding material question 1 list structure olfactory pathway odor molecule enter nose olfactory signal project brain 2 smell taste sensitive chemical different type chemical sense 3 main modality somatosensation 2.5 object recognition chapter 2.5 able compare contrast processing processing describe gestalt principle proximity similarity good continuation subjective contour closure prägnanz modern theory object recognition assume major type psychological processing processing processing data drive processing refer object recognition parallel processing feature detection describe early essentially brain take individual sensory stimulus combine create cohesive image determine object conceptually drive processing drive memory expectation allow brain recognize object recognize component base expectation word processing allow quickly recognize object need analyze specific part system sufficient perform processing extremely inefficient recognize object time look object like look object time hand perform processing difficulty discriminate slight difference similar object distinction partially responsible feeling déjà vu describe introduction chapter believe experience time expect rely processing mind able recognize experience quickly expect processing mind search reason recognition word déjà vu evoke recognition obvious reason know person distinction processing relevant sense commonly apply context vision perceptual organization refer ability create complete picture idea combine processing sensory clue gather object image

complete picture idea combine processing sensory clue gather object image everyday life incomplete able object infer rest object look like information available term depth form motion constancy clue fill gap gestalt principle describe depth perception rely number visual cue interpret brain deduce object distance visual cue separate monocular binocular cue monocular cue require eye include relative size interposition linear perspective motion parallax minor cue relative size refer idea object appear large close interposition mean object

overlap close linear perspective refer convergence parallel line distance great convergence distance motion parallax perception object close fast change field vision look look window car bus train clear night experience motion parallax parallax reason object road blur past object away slowly pass moon follow ride binocular cue primarily involve retinal disparity refer slight difference image project retina feature depth perception exploit virtual reality vr device image supply eye slightly different give perception depth vr device display 2d image secondary binocular cue convergence brain detect angle eye require bring object focus person look distant object eye stare straight ahead look nearby nose left right eye hold extreme angle difference degree convergence perceive distance form object usually determine parvocellular cell feature detection motion object perceive magnocellular cell describe early constancy refer ability perceive certain characteristic object remain despite change environment example perceive white piece paper essentially color paper illuminate fluorescent light incandescent bulb sunlight type constancy call color constancy constancy brightness size shape depend context brain constantly use incomplete information try create complete picture environment gestalt principle set general rule account fact brain tend view incomplete stimulus organized patterned way dozen gestalt principle high yield summarize visualize figure 2.11 law proximity say element close tend perceive unit figure 2.11a unrelated dot triangle square compose certain number dot law similarity say object similar tend group figure 2.11b big

law similarity say object similar tend group figure 2.11b big hollow dot distinct form triangle background small fill dot law good continuation say element appear follow pathway tend group tendency perceive continuous pattern stimulus abrupt change see figure 2.11c mind tend break complex figure sawtooth line wavy line line contain sawtooth wavy element researcher argue phenomenon subjective contour arise law subjective contour perceive contour shape actually present stimulus figure 2.11d subjective contour lead perception white diamond black square corner lie circle finally law closure say space enclose contour space tend perceive complete figure closure refer fact certain figure tend perceive complete closed figure

2.11e right angle instead square side complete law operate create stable consistent simple figure possible give visual field take altogether gestalt principle govern law prägnanz say perceptual organization regular simple symmetric figure 2.11 gestalt principles mcat concept check 2.5 assess understanding material question 1 sensory information integrate processing processing 2 briefly describe gestalt principle sensory system describe chapter key success test day eye ear sense high yield right connection topic physics biology research design concept behavioral science key topic passage sensation system raw information process brain truly perceive world use complex neurological pathway integrate sort sensory information process sensory information multiple system analyze individual feature component environment build expectation base memory past experience fill gap sensorium gestalt principle reach conscious awareness final product cohesive concept world complete visit new city rod cone site chemoreceptor taste smell local food hair cell listen local sound kinesthetic vestibular sense help navigate physical space ready head home leave memory topic turn review content test knowledge critical thinking skill complete test like passage set online resource sensation vs. perception sensation conversion transduction physical electromagnetic auditory information internal external environment electrical signal nervous system perception processing sensory information sense sensory receptor nerve respond

system perception processing sensory information sense sensory receptor nerve respond stimulus trigger sensory neuron associate sensory ganglia collection cell body outside central nervous system sensory stimulus transmit projection area brain analyze sensory input common sensory receptor include photoreceptor hair cell nociceptor thermoreceptor osmoreceptor olfactory receptor taste receptor threshold minimum stimulus cause change signal absolute threshold minimum stimulus energy need activate sensory system threshold conscious perception minimum stimulus energy create signal large size long duration bring awareness difference threshold noticeable difference jnd minimum difference magnitude stimulus perceive difference weber law state jnd stimulus proportional magnitude stimulus

proportion constant range possible stimulus signal detection theory refer effect nonsensory factor experience motive expectation perception signal detection experiment allow look response bias signal detection experiment stimulus give subject ask state stimulus give possible outcome hit miss false alarm correct adaptation refer decrease response stimulus time eye organ specialize detect light form photon cornea gather filter incoming light iris divide eye anterior posterior chamber contain muscle dilator constrictor pupillae open close pupil lens refract incoming light focus retina hold place suspensory ligament connect ciliary muscle ciliary body produce aqueous humor drain canal schlemm retina contain rod cone rod detect light dark cone come form short- medium- long wavelength retina contain cone macula correspond central visual field center macula fovea contain cone rod cone synapse bipolar cell synapse ganglion cell integration signal ganglion cell edge- sharpening perform horizontal amacrine cell bulk eye support vitreous inside sclera choroid outside visual pathway start eye travel optic nerve optic chiasm optic tract lateral geniculate nucleus lgn thalamus visual radiation visual cortex optic chiasm contain fiber cross nasal retina temporal visual field eye visual radiation run temporal parietal lobe visual cortex occipital lobe vision like sense process parallel processing ability simultaneously analyze combine information color form motion depth color detect

simultaneously analyze combine information color form motion depth color detect cone form detect parvocellular cell high spatial resolution low temporal resolution motion detect magnocellular cell low spatial resolution high temporal resolution depth detect binocular neuron hearing vestibular sense ear divide outer middle inner ear outer ear consist pinna auricle external auditory canal tympanic membrane middle ear consist ossicle malleus hammer incus anvil stape stirrup footplate stape rest oval window cochlea middle ear connect nasal cavity eustachian tube inner ear contain bony labyrinth membranous labyrinth bony labyrinth fill perilymph membranous labyrinth fill endolymph membranous labyrinth consist cochlea detect sound utricle saccule detect linear acceleration semicircular canal detect

rotational acceleration auditory pathway start cochlea travel vestibulocochlear nerve medial geniculate nucleus mgn thalamus auditory cortex temporal lobe sound information project superior olive localize sound inferior colliculus involve startle smell detection volatile aerosolize chemical olfactory chemoreceptor olfactory nerve olfactory olfactory pathway start olfactory nerve travel olfactory bulb olfactory tract high order brain area limbic system pheromone chemical give animal effect social foraging sexual behavior member taste detection dissolve compound taste bud papilla come modality sweet sour salty bitter umami somatosensation

refer touch modality pressure vibration pain temperature point threshold minimum distance necessary point stimulation skin point feel distinct stimulus physiological zero normal temperature skin object compare determine feel warm cold nociceptor responsible pain perception gate theory pain state pain sensation reduce somatosensory signal present kinesthetic sense proprioception refer ability tell body dimensional space data drive processing refer recognition object parallel processing feature detection slow prone conceptually drive processing refer recognition object memory expectation little attention detail fast prone mistake perceptual organization refer synthesis stimulus sense world include integration depth form motion gestalt principle way brain infer miss part picture picture incomplete law proximity say element close tend perceive unit law similarity say object similar appear law good continuation say element appear follow pathway tend group subjective contour refer perception nonexistent edge figure base surround visual cue law closure say space enclose group line perceive complete close line law prägnanz say perceptual organization regular simple symmetric possible answer concept check 1 sensory receptor afferent neuron sensory ganglion spinal cord brain projection area 2 1 f 2 3 e 4 d 5 c 6 g 7 b 3 absolute threshold minimum stimulus evoke action potential sensory receptor threshold conscious perception minimum stimulus evoke action potential long time brain perceive stimulus difference threshold noticeable difference minimum difference stimulus detect brain

4 weber law explain noticeable difference well express ratio constant range sensory stimulus  
signal detection theory concern threshold sense stimulus give obscure internal 5 adaptation  
generally raise difference threshold sensory response small fluctuation stimulus difference  
stimulus require evoke response large 1 cornea gather focus incoming light pupil allow  
passage light anterior posterior iris control size pupil ciliary body produce aqueous humor  
accommodation canal schlemm drain aqueous humor lens refract incoming light focus retina  
retina detect image sclera provide structural

incoming light focus retina retina detect image sclera provide structural support 2 cornea  
pupil lens vitreous retina rod cone bipolar cell ganglion cell optic nerve optic  
chiasm optic tract lateral geniculate nucleus lgn thalamus radiation parietal temporal  
lobe visual cortex 3 parallel processing ability simultaneously analyze color shape motion  
object integrate information create cohesive image world

parallel processing call memory system compare visual stimulus past experience help  
determine object identity 4 cone responsible color parvocellular cell responsible form  
magnocellular cell responsible motion binocular neuron responsible depth 1 linear  
acceleration detect utricle saccule rotational acceleration detect semicircular canal 2 pinna  
external auditory canal tympanic membrane malleus incus stape oval window  
perilymph cochlea basilar membrane hair cell vestibulocochlear nerve brainstem  
medial geniculate nucleus mgn thalamus auditory cortex temporal lobe 3 basilar membrane  
tonotopically organize high pitched sound cause vibration base cochlea low pitched sound  
cause vibration apex cochlea 1 nostril nasal cavity olfactory chemoreceptor olfactory nerve  
olfactory epithelium olfactory bulb olfactory tract high order brain region include limbic  
system 2 smell sensitive volatile aerosolize compound taste sensitive dissolve compound 3  
main modality somatosensation pressure vibration pain temperature 1 processing require  
component object interpret parallel processing integrate cohesive processing start object

memory create expectation component object component close tend

perceive unit component similar color shape size tend group component appear follow  
pathway tend group abrupt change form likely continuation pattern edge shape actually  
present imply surround object especially good continuation present space enclose contour  
tend perceive complete figure figure tend perceive complete closed perceptual organization  
regular simple symmetric possible science mastery assessment weber law posit threshold  
proportional go 100 125 pound 25 percent increase c 40 percent increase rest 25 percent  
person discern specific noise field noise definition signal detection experimental setup person  
esponse consider hit friend laugh consider false alarm friend laugh spicy food consider  
extreme stimulus eclipse person believe handle term heat xperience stimulus experience  
spice drop barely perceptible sensory adaptation reduction response timulus time nociceptor  
important pain sensation expect tissue damage chemoreceptor respond chemical volatile  
aerosolized olfaction dissolved taste osmoreceptor c espond change blood osmolarity  
photoreceptor d respond cornea responsible gather focus light pupil iris b c involved regulate  
light come eye focus retina d transduce light lectrical signal send brain lens serve similar  
function cornea valid answer question person able distinguish coin item recognize pecific  
feature coin case glint metal surface nd position car phenomenon call feature detection retina  
eye image project rod one retina convert electromagnetic radiation electrical omatosensation  
refer modality touch pressure vibration emperature pain kinesthetic sense b refer ability tell  
body space vestibular sense c refer detection linear nd rotational acceleration middle ear  
finally chemoreception d efer sense chemical environment taste sweet sour salty bitter umami  
floral relate o smell taste endolymph potassium rich fluid bathe hair cell inner ar find  
membranous labyrinth perilymph ound space membranous labyrinth bony labyrinth  
membranous labyrinth bony labyrinth contribute cochlea nd vestibule eliminate b pheromone  
volatile chemical give organism bind olfactory chemoreceptor influence behavior debatable  
pheromone serve role human know affect forage exual behavior animal kinesthetic

serve role human know affect forage exual behavior animal kinesthetic sense proprioception  
refer ability tell body part dimensional space sensor proprioception find predominantly  
muscle joint loss vestibular sense Iso cause difficulty walk sense dizziness vertigo inability feel  
foot proofreader large pattern identify word expect n e miss error relate processing  
proofreader recognition expectation lead miss detail processing d analysis detail individually  
create cohesive image gestalt principle basis optical illusion include endency people continuity  
line unconnected pecifically logo appear rely law closure create omplete star nontouching  
angle optic chiasm house cross fiber optic nerve specifically fiber come nasal half retina eye  
cross hiasm join optic tract opposite remember lens eye cause inversion image nasal half  
retina actually originate temporal visual field condition call bitemporal consult online resource  
additional practice behavioral science chapter 1 biology behavior biology chapter 4 nervous  
system biology chapter 10 physics math chapter 3 physics math chapter 7 wave sound physics  
math chapter 8 light optics learning memory science mastery assessment pre med know  
feeling content know mcat know important high yield badge book help identify important  
topic science mastery assessment tool mcat prep arsenal quiz take online resource guidance  
help ensure spend appropriate time chapter base personal strength weakness worry skip  
mean study later prep complete length test uncover specific piece content need review come  
chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter  
limited note follow review quiz question ensure understand solve answer 8–11 question  
correctly spend 20–40 minute review quiz question begin question miss read note correspond  
subchapter question answer correctly ensure thinking match explanation understand choice  
correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss  
include quick read corresponding subchapter relevant content subchapter question review  
question answer correctly ensure thinking match explanation review concept summary end

answer correctly ensure thinking match explanation review concept summary end chapter 1



researcher repeatedly startle participant loud buzzer time participant stop startle buzzer  
researcher interrupt study sound pan bang following likely observe a. increase startle  
response buzzer b. decrease startle response buzzer c. change response buzzer d.  
generalization previously nonaversive stimulus 2 pet run kitchen hear sound opener open pet  
food sound opener a(n a. condition response b. unconditioned response c. condition stimulus  
d. unconditioned stimulus 3 person suffer food poisoning eat spoiled orange later find smell  
lemon citrus fruit cause feeling nausea example d. negative reinforcement 4 following process  
increase likelihood behavior b. negative punishment c. positive punishment d. avoidance  
learning 5 presynaptic neuron efficient release neurotransmitter receptor density increase  
postsynaptic neuron change consistent a. long term potentiation b. synaptic pruning c.  
increase neuroplasticity 6 rat train press lever obtain food fix interval schedule following  
behavior rat likely exhibit a. press lever continuously hungry b. press lever exactly wait food  
pellet press c. press lever slowly increase frequency end interval approach d. association form  
fix interval schedule weak increase behavior 7 follow true teach animal complicated  
multistage i. individual part behavior run counter animal ii behavior tie food reward kind iii  
reward individual part behavior interfere reinforcement entire behavior a. b. iii c. ii iii d. ii iii 8  
follow true control processing a. mean information enter short term memory b. information  
require control processing automatic c. require active attention information encode d.  
information later recall encode control 9 follow method encoding conducive later recall 10  
hemisphere brain remove prevent recurrence severe seizure ability hemisphere adopt  
functionality remove section differ year old year old a. brain year old adaptable high b. brain  
year old adaptable low c. brain year old adaptable high d. brain year old adaptable low 11  
individual

memorize shopping list associate item image correspond number individual b. method loci c.  
elaborative rehearsal 12 researcher use partial report procedure present participant array

number fraction second following likely result procedure a. participant able recall row column great detail immediately presentation b. participant able recall number array serial position effect c. participant able recall approximately seven number second follow presentation stimulus d. participant able recall number verbally able draw array hypnosis 13 follow example semantic memory a. have ability drive car b. know part car engine c. remember experience learn drive d. associate car vehicle semantic network 14 follow example circumstance cause state dependent recall effect i. individual outside rainy day ii individual intoxicated cannabis iii individual experience manic episode a. b. iii c. ii iii d. ii iii 15 follow old adult likely trouble a. circumstance meet significant college b. doctor appointment schedule 1:00 p.m.

c. name character favorite television d. library book need return pass library learning memory chapter 3.3 neurobiology learning memory content chapter relevant 14 question behavioral science mcat chapter cover material follow aamc content 6b make sense environment 7c attitude behavior change college student sit hunched desk quiet library pore small stack textbook 11 p.m. night organic chemistry midterm near endless list reaction commit memory tomorrow situation bleak student take precaution sure study session successful drink coffee increase alertness quiet library reduce distraction aid concentration stressful sure student able study way reinforce current set behavior student work set flashcard reactant product able identify miss card place separate pile review later sure rehearsal likely help exam tomorrow student able recall information final month student take sip coffee try mind focus intently book sit open desk sound familiar like student find similar scenario chapter discuss way memorize new information learn new behavior help directly prepare answer mcat question content learn new trick effectively commit mcat content memory skill helpful later career doctor chapter 3.1 able apply principle habituation dishabituation sensitization real- identify condition stimulus unconditioned stimulus condition response unconditioned response pavlovian learning paradigm distinguish negative reinforcement positive reinforcement negative punishment positive punishment predict reinforcement schedule affect relative

frequency behavioral response operant conditioning scenario psychologist learning refer specifically way acquire new behavior understand learning start concept stimulus stimulus define organism respond include sensory input discuss chapter 2 mcat behavioral sciences review combination stimulus response serve basis behavioral learning response stimulus change time depend frequency intensity stimulus instance repeat exposure stimulus cause decrease response call habituation see year medical student student intense physical reaction time cadaver treat severe laceration stimulus reaction lessen unbothered sight note stimulus weak elicit response call opposite process occur dishabituation define recovery response stimulus habituation occur dishabituation note late habituation stimulus

recovery response stimulus habituation occur dishabituation note late habituation stimulus second stimulus present second stimulus interrupt habituation process cause increase response original stimulus imagine example take long car trip drive mile highway brain sight sound sensation highway driving dash line divide lane sound engine tire road dishabituation recovery response stimulus usually different stimulus present note term refer change response original stimulus new habituation occur point use exit ramp sensation change merge new highway pay attention sensory stimulus come stimulus previous highway presentation different stimulus exit ramp cause dishabituation new awareness response stimulus dishabituation temporary refer change response original stimulus new learning change behavior occur response stimulus type learning mcat focus type associative learning observational learning associative learning creation pairing association stimulus behavior response mcat test kind associative learning classical operant classical conditioning type associative learning take advantage biological instinctual response create association unrelated stimulus people come mind research classical conditioning ivan pavlov experiment dog revolutionary provide template way mcat test classical conditioning classical conditioning work foremost stimulus cause innate reflexive physiological response example reflexively salivate smell bread bake oven jump recoil hear loud noise stimulus bring reflexive response

call unconditioned stimulus innate reflexive response call unconditioned response stimulus  
produce reflexive response know neutral stimulus pavlov experiment unconditioned stimulus  
meat cause dog salivate reflexively neutral stimulus ring bell course experiment pavlov  
repeatedly ring bell place meat dog mouth initially dog react hear bell ring receive meat  
procedure repeat time dog begin salivate hear bell ring fact dog salivate pavlov ring bell  
deliver meat pavlov turn neutral stimulus condition stimulus normally neutral stimulus  
association cause reflexive response call condition response process reflexive unconditioned  
stimulus turn neutral stimulus condition stimulus term acquisition show figure 3.1 figure 3.1  
acquisition classical conditioning ucs = unconditioned stimulus ucr = unconditioned response cs  
= condition stimulus cr

stimulus ucr = unconditioned response cs = condition stimulus cr = condition notice stimulus  
change experiment response salivation response food natural require conditioning  
unconditioned response context hand pair condition stimulus bell salivation consider  
condition response mcat key tell condition unconditioned response apart look stimulus cause  
unconditioned stimulus cause unconditioned response condition stimulus cause condition  
response important recognize condition response acquire mean condition response  
permanent extinction refer loss condition response occur condition stimulus repeatedly  
present unconditioned stimulus apply concept pavlov example bell ring dog get meat dog stop  
salivate bell sound interestingly extinction response permanent time present subject extinct  
condition stimulus produce weak condition response phenomenon call spontaneous recovery  
process modify response condition stimulus acquisition occur generalization broaden effect  
stimulus similar condition stimulus produce condition response famous experiment  
researcher condition child call little albert afraid white rat pair presentation rat loud noise  
subsequent test show little albert conditioning generalize exhibit fear response white stuff  
rabbit white sealskin coat man white beard finally stimulus discrimination refer discrimination  
organism learn distinguish similar stimulus discrimination opposite generalization pavlov dog

condition discriminate bell different tone have tone pair meat tone present meat case association occur tone classical conditioning favorite topic mcat expect question describe pavlovian experiment ask identify role stimulus response describe classical conditioning concern instinct biological response study operant conditioning examine way consequence voluntary behavior change frequency behavior mcat test difference condition unconditioned response stimulus ask distinguish reinforcement punishment operant conditioning associate b. f. skinner consider founder behaviorism theory behavior condition possible relationship stimulus behavior summarize figure 3.2 figure 3.2 terminology operant conditioning animal innately search resource environment reward seek behavior foraging approach behavior modify time animal interact stimulus adjust behavior accordingly reinforcement process increase likelihood animal perform behavior reinforcer divide category positive reinforcer increase frequency behavior add positive consequence incentive follow desire behavior

increase frequency behavior add positive consequence incentive follow desire behavior money example common strong positive reinforcer employee continue work pay negative reinforcer act similarly increase frequency behavior remove unpleasant example take aspirin reduce headache time headache likely negative reinforcement confuse punishment discuss section remember frequency behavior distinguish factor reinforcement positive negative increase likelihood behavior concept learn consequence form foundation behavioral therapy disorder include phobia anxiety disorder obsessive negative reinforcement subdivide escape learning avoidance learning differ unpleasant stimulus occur escape learning describe situation animal experience unpleasant stimulus response display desire behavior order trigger removal stimulus type learning desire behavior escape stimulus contrast avoidance learning occur animal display desire behavior anticipation unpleasant stimulus avoid unpleasant avoidance learning develop multiple experience escape learning example progression escape learning avoidance learning seat belt warning car driver begin drive buckle seat belt car produce annoying beep noise end seat belt buckle example desire behavior buckle seat belt behavior

reinforce removal unpleasant stimulus audible beeping type learning negative reinforcement specifically example illustrate escape learning driver experience unpleasant stimulus exhibit desire behavior order escape unpleasant stimulus forget buckle seat belt time driver eventually learn preemptively buckle drive car order avoid beep sound point escape learning progress avoidance learning finally example illustrate important misconception term negative reinforcement buckle seat belt generally consider positive behavior protect health term positive negative operant conditioning refer addition removal stimulus buckle good thing example illustrate type negative reinforcement classical operant conditioning hand hand example dog trainer advantage reinforcer train dog perform trick trainer feed dog bit meat perform trick meat say primary reinforcer meat treat dog respond naturally dog trainer use tiny handheld device emit click sound clicker normally reinforcer trainer use classical conditioning pair clicker meat elicit response clicker condition reinforcer call secondary reinforcer eventually dog associate presence trainer possibility reward make presence

reinforcer eventually dog associate presence trainer possibility reward make presence trainer discriminative stimulus discriminative stimulus indicate reward potentially available operant conditioning paradigm contrast reinforcement punishment use conditioning reduce occurrence behavior positive punishment add unpleasant consequence response behavior reduce behavior example receive ticket have pay fine park illegally positive punishment involve unpleasant discourage behavior refer aversive conditioning contrast negative punishment remove stimulus order cause reduction behavior example parent guardian forbid child watch television consequence bad behavior goal prevent behavior happen negative reinforcement confuse positive punishment negative reinforcement removal bothersome stimulus encourage behavior positive punishment addition bothersome stimulus reduce behavior presence absence reinforce punish stimulus story rate desire behavior acquire affect reinforcement schedule deliver stimulus key factor reinforcement schedule schedule fixed variable schedule base ratio interval sociological institution rely punishment reward adjust

behavior society formal sanction rule law reinforce punish behavior likewise informal sanction ostracization praise shunning reinforce punish social behavior depend rule establish social institution socialization social institution discuss chapter 8 11 mcat behavioral sciences review fix ratio fr schedule reinforce behavior specific number performance behavior example typical operant conditioning experiment researcher reward rat food pellet time press bar cage continuous reinforcement fix ratio schedule behavior reward time perform variable ratio vr schedule reinforce behavior vary number performance behavior average number performance receive reward relatively constant type reinforcement schedule researcher reward rat button press finally fixed interval fi schedule reinforce instance behavior specified time period elapse example rat get pellet wait 60 second pellet lever press 60 second get pellet subsequent press 60 second accomplish variable interval vi schedule reinforce behavior time behavior perform vary interval time instead wait exactly 60 second example rat wait 90 second 30 second minute case interval elapse press get rat pellet schedule variable ratio work fast learn new behavior resistant extinction effectiveness reinforcement schedule demonstrate

fast learn new behavior resistant extinction effectiveness reinforcement schedule demonstrate figure 3.3 figure 3.3 reinforcement schedule hatch correspond instance reinforcement start line correspond time zero thing note graph variable ratio schedule fast response rate rat continue press bar quickly hope press right note fix schedule fixed ratio fix interval brief moment response behavior reinforce rat stop hit lever want pellet figure behavior necessary receive pellet final idea associate operant conditioning concept shaping process reward increasingly specific behavior close desire response example want train bird spin place peck key keyboard bird treat turn slightly left turn 90 degree 180 bird learn spin completely reward behavior near keyboard eventually bird reward set behavior perform time use shaping operant conditioning allow training extremely complicated vr stand variable ratio stand rapid resistant extinction gambling gambling addiction difficult extinguish gambling

game base variable ratio schedule probability win jackpot individual pull slot machine catch idea pull right cognitive biological factor associative incorrect classical operant conditioning factor affect behavior correct mindless robotic unable resist reward punishment occur life skinner initial perspective find cognitive biological factor work change effect associative learning allow resist altogether organism undergo latent learning learning occur reward spontaneously demonstrate reward introduce classic experiment associate latent learning involve rat run maze rat simply carry maze incentivize food reward complete maze perform case well rat train run maze standard operant conditioning technique reward way problem solving method learn step outside standard behaviorist approach think way young child jigsaw puzzle piece try fit find correct match animal use kind trial error approach test behavior yield reward old gain ability analyze situation respond correctly time seek correct puzzle piece orientation base picture form human chimpanzee alike avoid trial error learning instead step observe situation decisive action solve challenge face behavior teach operant conditioning technique animal predisposed learn learn

face behavior teach operant conditioning technique animal predisposed learn learn behavior base natural ability instinct animal able learn behavior coincide natural behavior bird naturally peck search food reward food response pecking base behavior work predisposition know preparedness similarly difficult teach animal behavior work natural instinct animal revert instinctive behavior learn new behavior similar animal undergo instinctive instinctual drift example researcher behavioral technique train raccoon place coin piggy bank effort ultimately unsuccessful learn behavior temporary eventually place coin bank raccoon pick coin rub dip bank pull researcher conclude task try train raccoon perform conflict natural food gathering instinct rub seed wash stream clean eat researcher far well luck train raccoon place ball basketball net ball large trigger food washing instinct observational learning process learn new behavior gain information watch famous controversial study observational learning albert bandura bobo doll experiment child watch adult room toy punch kick inflatable clown



toy child later allow play room ignore toy room inflict similar violence bobo doll see adult  
important note observational learning simply imitation observational learning teach individual  
avoid behavior later iteration bobo doll experiment child watch adult scold attack bobo doll  
likely aggressive bobo doll connection violent video game aggressive behavior active debate  
interest group side controversy american academy pediatrics major medical society publish  
report attribute 13 22 increase aggressive behavior observational learning video game like  
associative learning neurological factor affect observational learning important mirror neuron  
neuron locate frontal parietal lobe cerebral cortex fire individual perform action individual  
observe perform action mirror neuron largely involve motor process additionally think relate  
empathy vicarious emotion mirror neuron fire experience emotion observe experience  
emotion mirror neuron play role imitative learning number primate show figure 3.4 figure 3.4  
use mirror neuron macaque neonatal primate imitate facial expression research suggest  
observational learning modeling important factor determine people behavior lifetime

suggest observational learning modeling important factor determine people behavior lifetime  
people learn behavior acceptable watch perform attention focus violent medium model  
antisocial behavior prosocial modeling powerful course observational learning strong model  
word consistent action parent guardian adopt approach teach child research suggest child  
disproportionately imitate model mcat concept check 3.1 assess understanding material  
question 1 following cause person eat food meal eat course separately move finish current  
course interrupt main course time eat dish 2 college student play prank roommate pop  
balloon roommate head time make popcorn long smell popcorn make roommate nervous  
story correspond classical conditioning concept 3 difference negative reinforcement positive  
punishment provide example chapter 3.2 able order mode encoding strong weak distinguish  
maintenance rehearsal elaborative rehearsal predict learning environment impact recall  
describe factor phenomenon lead flaw memory define type human memory learning concern  
behavior study memory focus gain knowledge accumulate lifetime formation memory divide

major process encoding storage retrieval encoding refer process put new information  
memory information gain effort result automatic processing type cognitive processing  
unintentional information passively absorb environment walk street constantly bombard  
information seep brain notice temperature track route take stop coffee realize cashier work  
day week time actively work gain information study mcat example create flashcard memorize  
enzyme digestion function endocrine hormone active memorization know controlled effortful  
allow study mcat automatic processing read text will cut mcat engage text fill mcat concept  
checks write note margin ask question scientific study learning demonstrate time time control  
processing improve comprehension retention speed accuracy test day practice control  
processing automatic think time learn foreign language word require great deal processing  
decipher hear word consciously translate native language order understand say process take  
time effort probably difficult maintain prolonged period gain experience language process  
easy able understand word intuitively have think hard point skill require control processing  
automatic

intuitively have think hard point skill require control processing automatic different way  
encode meaning information control processing require visualize information visual encoding  
store way sound acoustic encoding link knowledge memory elaborative encoding meaningful  
context semantic encoding semantic encoding strong visual encoding weak semantic  
encoding vivid context well fact tend recall information well context life phenomenon call self  
reference effect purpose real world sidebar mcat review book semantic encoding put content  
meaningful context retention information improve real world sidebar relate medicine self  
reference effect course group information meaningful context trick use aid encoding aid  
maintenance rehearsal repetition piece information work memory prevent forget store short  
term eventually long term memory topic discuss section mnemonic common way memorize  
information particularly list see kaplan study material mnemonic acronym rhyme phrase  
provide vivid organization information try remember mnemonic technique commonly employ

memory expert method loci involve associate item list location route building memorize example memorize grocery list picture carton egg sit doorstep person spill milk hallway giant stick butter live room later person wish recall list simply mental walk location recall image form early similarly peg word system associate number item rhyme resemble number example associate sun shoe tree groundwork individual memorize personal peg list list need memorize individual simply pair item list peg list example individual visualize egg fry sun 1 pair shoe 2 fill milk tree 3 leave butter serial nature method loci peg word system useful memorize large list object order feat memory accomplish mnemonic technique fact method locus favorite participant world memory finally chunking refer clustering memory trick involve take individual element large list group group element related meaning example consider following list 16 letter e n l p k c u r t r c s u- b. memorize list order rote prove difficult realize reverse item group meaningful

list order rote prove difficult realize reverse item group meaningful chunk bus car truck plane follow encoding information store remember type memory storage fleeting kind memory storage sensory memory preserve information original sensory form auditory visual etc high accuracy last short time generally second sensory memory consist

iconic memory fast- decay memory visual stimulus echoic memory fast decay memory auditory stimulus sensory memory maintain major projection area sensory system occipital lobe vision temporal lobe hearing course sensory memory fade quickly information attend lose sensory memory theoretically encompass major sense study limit sight hearing touch haptic memory nature sensory memory demonstrate experimentally consider following procedure research participant present array letter present figure 3.5 flash screen mere fraction second ask list letter array participant able correctly identify procedure know report ask list letter particular row immediately presentation stimulus know partial report participant 100 percent accuracy matter row choose iconic memory action time take list item entire list

fade clear letter way iconic memory small subset recall figure 3.5 sample 3 by-3 array eidetic memory refer ability recall high precision image brief exposure hypothesize eidetic memory represent extreme example iconic memory endure minute generally observe adult report occur small percentage course pay attention information expose information enter short term memory similar sensory memory short term memory fade quickly course approximately 30 second rehearsal addition have limit duration number item hold short term memory give time memory capacity limit approximately seven item usually state  $7 \pm 2$  rule discuss previous section capacity short term memory increase cluster information duration extend maintenance rehearsal short term memory house primarily hippocampus responsible consolidation short term memory long term memory work memory closely relate short term memory similarly support hippocampus enable piece information consciousness simultaneously manipulate information integrate short term memory attention executive function accordingly frontal parietal lobe involve form memory allow simple math rehearsal information move short term long term memory essentially limitless warehouse knowledge able recall demand rest life way information consolidate long term memory elaborative rehearsal unlike maintenance rehearsal simply way keep information forefront consciousness elaborative rehearsal association information knowledge store long

information forefront consciousness elaborative rehearsal association information knowledge store long term memory elaborative rehearsal closely tie self reference effect note early idea able relate life likely find way long term memory long term memory primarily control hippocampus note memory move time cerebral cortex long term memory name birthdate face parent generally affect damage hippocampus look picture simple unfinished puzzle able fit piece mentally skill explain major theory underlie work memory include concept visuospatial sketchpad visuospatial sketchpad propose baddeley hitch working memory model component propose central executive phonological loop visuospatial sketchpad explain ability store visual spatial information manipulate behavioral science guide example expert

musical melody series tone play succession form coherent musical idea melody play different key absolute pitch note change change key long relative pitch remain melody recognizable example familiar melody song happy birthday sound regardless note c f b flat people key piece music listen implicitly remember way suppose sound distinguish melody play passage provide definition melody difference absolute relative pitch helpful musician set stage researcher interested musical memory conduct experiment group participant 7- 8 year old 9- 11- year old adult british setup group child adult melody melody irish folk melody select stimulus researcher expect melody share sort pattern common north american european music recognizable melody simply series tone expect melody uncommon unfamiliar participant prior beginning study intend exposure phase participant present melody listen recognition phase melody present melody present exposure phase present recognition phase transpose high low key participant ask rate melody hear recognition phase present exposure phase rate recognition scale 1 definitely new 6 definitely finally description procedure want parse carefully second phase melody hear early hear present different eliminate bias researcher area curve auc score measure relative difference recognition absolute difference recognition score old melody high recognition score new melody give participant auc score 1.0

high recognition score new melody give participant auc score 1.0 represent perfect discrimination score 0.5 represent chance performance old new melody hear auc score passage explain probably need interpret result iv age dv recognition auc figure 1 mean auc score high auc mean well recognition look like people well old people slightly bad adapt schellenberg eg poon j weiss mw 2017 memory melody key childhood plos 12(10 e0187115

result suggest group within- group trend respect explicit implicit memory music answer question go use result study recall apply content knowledge outside passage prompt ask difference explicit implicit memory want start figure term apply general context apply idea

specifically experiment mcat know explicit implicit memory subdivision long term memory explicit memory encoding fact particularly relevant present study episodic memory kind explicit memory involve experience question hear melody answer access explicit memory relevance implicit memory difficult typically think implicit memory procedural involve skill condition response sure concept question relate passage passage search clue passage provide clue paragraph author describe memory key melody implicit explicit know look examine result study concept way relate passage mind auc score system researcher unfamiliar concept different normally study like score 0.5 represent random chance score high mean participant able distinguish melody hear one high score well recognition figure trend participant old recognition get well melody transpose recognition get bad participant approximately apply memory vocabulary word trend conclude result explicit memory music improve age group group implicit memory play significant role recognition melody match hear early explicitly implicitly i.e. melody transpose different key readily recognize role implicit memory recognition consistent group type long term memory implicit memory call nondeclarative memory consist skill habit condition response need consciously recall implicit memory include procedural memory relate unconscious memory skill require complete procedural task priming involve presentation stimulus affect perception second positive priming occur exposure stimulus improve processing second stimulus demonstrate measure decrease response time decrease error rate conversely negative priming stimulus interfere processing second stimulus result slow response time error explicit memory call declarative memory consist memory require conscious recall explicit memory divide episodic memory semantic memory episodic memory refer recollection life experience contrast semantic memory refer idea concept fact know tie specific life experience autobiographical memory give explicit

fact know tie specific life experience autobiographical memory give explicit memory life include episodic memory life experience include semantic memory relate personal trait

characteristic interestingly memory disorder affect type memory leave example patient  
amnesia remember learn ride bicycle episodic memory name part bicycle semantic memory  
surprisingly retain skill ride bicycle give procedural memory major category memory  
summarize figure 3.6 figure 3.6 type memory semantic episodic memory differentiate  
separate co occur type explicit memory component episodic semantic memory flashbulb  
memory detailed recollection stimulus immediately surround important emotionally arousing  
event flashbulb memory help answer question remember course memory store use pull use  
retrieval give process demonstrate learn retain people think retrieval term recall retrieval  
statement previously learn information learning additionally demonstrate recognize quickly  
relearn information recognition process merely identify piece information previously learn far  
easy recall difference advantage mcat multiple choice test largely base recognize information  
mcat fill the- blank style exam approach study vastly different far depth think elementary  
school classmate think list chance hand glance class photo probably recognize vast majority  
classmate gap difference recall recognition relearning way demonstrate information store  
long term memory study memorization list hermann ebbinghaus find recall list short word  
learn previous day poor able memorize list quickly second time ebbinghaus interpret mean  
information store readily available recall additional research discover long time session  
relearn great retention information later ebbinghaus dub phenomenon spacing effect help  
explain cramming nearly effective space study extended period time recall fact moment notice  
difficult fortunately brain way organize information advantage environmental cue tell find give  
memory psychologist think memory simply stockpile unrelated fact network interconnected  
idea brain organize idea semantic network show figure 3.7 concept link base similar meaning  
unlike internet encyclopedia page include link similar topic example concept red closely link  
color like orange green object like fire engine rose

link color like orange green object like fire engine rose node semantic network activate see  
word red sign link concept unconsciously activate process know spread activation spread

activation heart previously mention positive priming recall aid present word phrase recall cue close desire semantic memory figure 3.7 example semantic network spread activation concept red unconsciously activate link concept common retrieval cue context effect memory aid physical location encoding take place psychologist show person score well exam room learn information context effect fact learn underwater well recall underwater land similarly source monitoring retrieval process involve determine origin memory factual real accurate fictional dream novel movie person mental state affect ability recall state dependent memory alternately refer state dependent effect retrieval cue base perform well mental state information learn people learn fact skill intoxicated example well recall proficiency perform task intoxicated compare perform sober emotion work similar way foul mood prime negative memory turn work sustain foul mood memory well information learn similar mood recall negative positive memory lead persistence finally study list memorization indicate item position list affect participant ability recall ebbinghaus term serial position effect researcher participant list item memorize participant high recall item list tendency remember early late item list know primacy recency effect respectively ask remember list later people strong recall item recall item fade psychologist interpret mean recency effect result item short term memory initial recall unfortunately long term memory permanent phenomenon result amnesia significant loss memorize information inability remember obtain knowledge call source amnesia disorder lead decline memory common alzheimer disease degenerative brain disorder think link loss acetylcholine neuron link hippocampus exact cause understand alzheimer mark progressive dementia loss cognitive function memory loss atrophy brain show figure 3.8 perfectly linear memory loss alzheimer disease tend proceed retrograde fashion loss recent memory distant memory microscopic finding alzheimer include

fashion loss recent memory distant memory microscopic finding alzheimer include neurofibrillary tangle  $\beta$ - amyloid plaque common phenomenon occur individual middle- late stage alzheimer sundowning increase dysfunction late afternoon evening figure 3.8 finding



alzheimer disease  $\beta$  amyloid plaque alzheimer disease incorrectly fold copy amyloid precursor protein insoluble  $\beta$  pleated sheet form deposit brain protein folding discuss detail chapter 1 mcat korsakoff syndrome form memory loss cause thiamine deficiency brain disorder mark retrograde amnesia loss previously form memory anterograde amnesia inability form new memory common symptom confabulation process create vivid fabricate memory typically think attempt brain fill gap agnosia loss ability recognize object people sound usually agnosia usually cause physical damage brain cause stroke neurological disorder multiple sclerosis course memory loss disorder process know decay memory simply lose naturally time neurochemical trace short term memory fade word memorization experiment ebbinghaus note call curve forgetting formally call retention function show figure 3.9 day learn list recall fall sharply level figure 3.9 ebbinghaus curve forgetting common reason memory loss interference refer interference effect retrieval error cause existence usually similar information interference classify direction experience proactive interference old information interfere new learning example think time move new address short time trouble recall individual piece new address old similarly ebbinghaus find successive list learn recall new list decrease time effect attribute interference cause retroactive interference new information cause forgetting old information example beginning school year teacher learn new set student name find long remember name previous year student way prevent retroactive interference reduce number interfere event good study evening hour fall asleep depend personal style aging memory contrary popular belief aging necessarily lead significant memory loss individual memory fade old age case fact study large range memory ability 70 year old 20 year old trend demonstrate evaluate memory old individual ask pivotal event life people 70

evaluate memory old individual ask pivotal event life people 70 80 tend vivid memory event occur teen 20 fact psychologist interpret mean time peak period encoding person life old adult certain type memory remain strong people tend demonstrate degeneration recognition skill

base memory age certain type recall remain strong people semantically meaningful material easily learn recall likely old individual have large semantic network young counterpart prospective memory remember perform task point future remain intact event- base prime trigger event remember buy milk walk past grocery store hand time base prospective memory remember medication day think memory record experience kind video recording store access later accurate recall past event define reproductive memory truth reconstructive memory theory memory recall cognitive process imagination semantic memory perception affect act remember theory explain people recall event occur completely different way memory incorrectly recall actual event recall event occur know false memory despite unsettling nature false memory common expect consider factor affect memory memory encode little detail focus detail deem important moment previously discuss person repeatedly rehearse memory mind person fill miss detail unreliable information repressed memory memory store unconscious mind block recall topic controversy psychologist believe repressed memory bring conscious mind spontaneously psychotherapy memory call recover memory possible distinguish false memory recover memory evidence research psychologist believe psychotherapy likely lead creation false memory act recall memory result production false memory false memory production limit internal factor memory affect outside source famous experiment participant show picture include picture car stop yield sign later participant present write description picture description contain misinformation description car stop stop sign ask recall detail picture participant insist see stop sign picture example illustrate misinformation effect person recall event accurate injection outside information memory misinformation effect see point recall experiment participant show video automobile accident participant ask fast car move collide ask

video automobile accident participant ask fast car move collide ask accident descriptive language fast car move crash participant ask question lead language likely overstate severity accident ask question descriptive language intrusion error refer false memory include false

detail particular memory similar misinformation effect distinct intrusion error outside source instead intrude memory inject original memory memory relate share theme memory recall brain incorrectly associate intrude memory source memory lead false memory example year attend multiple new year eve celebration different city memory city link possible intrusion error recall particular restaurant locate vancouver recall eat restaurant new year eve celebrate new year eve vancouver restaurant toronto celebrate new year congressional medal honor ceremony 1983 ronald reagan relay vivid story heroic world war ii pilot receive posthumous medal skeptical reporter unaware incident match detail reagan story check story find pilot exist 1944 movie wing prayer reagan remember detail pilot heroic action forget source source monitor error involve confusion semantic episodic memory person remember detail event confuse context detail gain source monitoring error manifest person hear story happen later recall story personal memory mcat concept check 3.2 assess understanding material question 1 list mode information encode strong weak 2 way maintenance rehearsal different 3 term recall bad idea study mcat listen music 4 factor cause eyewitness courtroom testimony unreliable 3.3 neurobiology learning chapter 3.3 able describe neuroplasticity change occur human recall term involve remove strengthen memory read text brain change memory learning involve change brain physiology new concept learn brain alter synaptic connection response hear far easy child learn new language adult saying teach old dog new trick strictly true root neurobiology infant bear neuron actually need brain develop neural connection form rapidly response stimulus phenomenon call neuroplasticity know neural plasticity fact brain young child plastic reorganize drastically response injury evidence study child entire

child plastic reorganize drastically response injury evidence study child entire hemisphere brain remove prevent severe seizure remain hemisphere change function miss part brain allow child grow lead unimpaired life brain maintain degree plasticity life adult brain display near degree plasticity child way brain change process call synaptic pruning grow old weak neural connection break strong one bolster increase efficiency brain ability process

information concept plasticity important closely link learning memory learn chapter 4 mcat biology review stimulus cause activation neuron release neurotransmitter synaptic cleft gap neuron target cell neurotransmitter continue stimulate activity degradation reuptake diffusion synaptic cleft interim neural activity form memory trace think cause short term memory discuss early stimulus repeat rehearse memory trace disappear consequence loss short term memory stimulus repeat stimulate neuron efficient release neurotransmitter time receptor site synapse increase increase receptor density strengthening neural connection repeat use know long term potentiation believe neurophysiological basis long term memory recent research begin elucidate mechanism long term potentiation observe specific type glutamate receptor nmda receptor require strengthening synaptic connection describe previous section memory begin life sensory memory projection area give sensory modality sensory memory brief maintain consciousness move short- term memory hippo campus temporal lobe memory manipulate work memory hippocampus tandem frontal parietal lobe store later recall long period time memory gradually move hippocampus cerebral cortex note general pathway drastic oversimplification complex interplay brain region involve memory useful paradigm word potentiate mean increase potency strength long term potentiation think strengthening long term mcat concept check 3.3 assess understanding material question 1 neuroplasticity neuroplasticity change 2 term remove weak neural connection term strengthen memory connection increase neurotransmitter release receptor remove weak connection chapter discuss important way react environment constantly receive input world way memorize information depend greatly nature information importance individually information profound effect cause increase decrease frequency certain behavior

individually information profound effect cause increase decrease frequency certain behavior conscious knowledge concept learning memory heavily research expect mcat place passage test topic experimental context review content test knowledge critical thinking skill complete test like passage set online resource habituation process stimulus dishabituation occur second

stimulus intervene cause resensitization original stimulus associative learning way pair stimulus response behavior consequence classical conditioning unconditioned stimulus produce instinctive unconditioned response pair neutral stimulus repetition neutral stimulus condition stimulus produce condition response operant conditioning behavior change use reinforcement increase likelihood behavior punishment decrease likelihood behavior schedule reinforcement affect rate behavior perform schedule base ratio behavior reward time fix variable behavior learn variable ratio schedule hard observational learning modeling acquisition behavior encoding process put new information memory automatic effortful semantic encoding strong acoustic visual encoding sensory short term memory transient base neurotransmitter activity work memory require short term memory attention executive function manipulate information long term memory require elaborative rehearsal result increase neuronal connectivity explicit declarative memory store fact story implicit nondeclarative memory store skill conditioning fact store semantic network recognition information strong recall retrieval information base prime interconnected node semantic network memory lose disorder alzheimer disease korsakoff syndrome agnosia decay interference memory highly subject influence outside information mood time encoding recall neurobiology learning learning memory rely change brain chemistry physiology extent depend neuroplasticity decrease age long term potentiation responsible conversion short term long term memory strengthening neuronal connection result increase neurotransmitter release adding answers

concept checks 1 eat course meal move cause habituation bite cause pleasurable stimulation people feel desire eat hand mix course meal cause dishabituation taste cause people eat 2 condition stimulus smell popcorn unconditioned stimulus popping balloon condition response nervousness fear response presence popcorn unconditioned response fear response popping balloon 3 negative reinforcement cause increase give behavior remove unpleasant positive punishment reduce behavior add unpleasant example vary common negative reinforcer

include medicine reduce pain avoid uncomfortable situation reduce anxiety common example positive punishment include have pay fine speed drive get detention school bad behavior 1 mode information encode semantic strong follow acoustic visual 2 maintenance rehearsal repetition information short term memory near immediate use elaborative rehearsal association information store knowledge effective way information short term long term memory 3 take mcat quiet room study similar circumstance aid recall context effect music compete attention reduce ability focus relevant study material 4 factor affect accuracy eyewitness testimony include manner question ask nature information share witness police lawyer witness follow event misinformation effect source monitoring error time elapse event trial watch crime drama watch news witness similar event cause 1 neuroplasticity ability brain form new connection rapidly brain plastic young child plasticity quickly drop childhood 2 pruning term remove weak neural connection long term potentiation strengthening memory connection increase neurotransmitter release science mastery assessment participant habituated sound buzzer introduce new stimulus bang pan dishabituate resensitize original stimulus cause temporary increase response sound buzzer sound opener normally produce response make stimulus condition association generalization process similar stimulus produce conditioned response response taste smell orange generalize citrus avoidance learning type negative reinforcement behavior increase prevent unpleasant future consequence extinction decrease response condition stimulus long pair n

unconditioned stimulus punishment b c lead decrease behavior operant conditioning long term potentiation believe neurophysiological basis long-term memory make correct answer synapsis reinforce neuroplasticity brain decrease eliminate c synaptic pruning b refer removal infrequently synapsis consistent description question stem n fix interval schedule desire behavior reward time exhibit fix interval elapse fix interval fixed-ratio schedule tend phenomenon response immediately reward give behavior increase rat get lose receive reward complicated multistage behavior typically teach shaping statement iii correct answer reinforcer

necessarily need food base instinctive drift interfere earning complicated behavior statement  
accurate definition controlled processing answer choice hat necessarily true controlled  
processing effortful processing reate long term memory practice automatic nvalidate b day  
day activity process utomatically make d incorrect emantic encoding encoding base meaning  
information strong method encoding visual encoding b weak nd acoustic encoding d  
intermediate iconic memory c type sensory memory bear overabundance neuron quickly form  
new ynapse year life age plasticity brain decrease retain plasticity adulthood brain year old  
high neuroplasticity well dapt support c correct answer association word list preconstructed  
set idea common o method loci peg word mnemonic method loci ystem b associate item  
location peg word system use mage associate number partial report procedure individual ask  
recall specific portion stimulus incredibly accurate brief time method study sensory specifically  
iconic memory erial position effect b  $7 \pm 2$  rule c characteristic short- emantic memory  
category long term memory refer recall act experience skill careful confuse semantic memory  
semantic network d association similar oncept mind aid retrieval tate dependent recall  
concern internal external tate individual statement ii iii example tate dependent circumstance  
statement cause context effect old adult trouble time base prospective memory emembere  
activity particular time form memory generally preserve decline slightly significantly ime base  
prospective memory consult online resource additional practice behavioral

ime base prospective memory consult online resource additional practice behavioral science  
chapter 1 biology behavior behavioral science chapter 2 sensation perception behavioral  
science chapter 4 cognition consciousness language behavioral science chapter 5 motivation  
emotion stress behavioral science chapter 7 biology chapter 4 nervous system cognition  
consciousness science mastery assessment pre med know feeling content know mcat know  
important high yield badge book help identify important topic science mastery assessment  
tool mcat prep arsenal quiz take online resource guidance help ensure spend appropriate  
time chapter base personal strength weakness worry skip mean study later prep complete

length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read correspond subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept summary end chapter 1 follow term describe existing schema modify incorporate new information 2 complete final exam

student report student health complain paranoia lack appetite elevated heart rate questioning student admit having awake 48 hour having buy pill student library following drug student likely take d. lysergic acid diethylamide 3 student volunteer hospital stroke center ask prevalence stroke great 65 year old student state probably 40 data analysis indicate significantly low account error a. deductive reasoning b. representativeness heuristic c. base rate fallacy d. confirmation bias 4 following type intelligence describe gardner theory multiple intelligence a. fluid intelligence b. bodily kinesthetic intelligence c. visual spatial intelligence d. linguistic intelligence 5 eeg waveform rem sleep resemble following state consciousness b. slow wave sleep c. stage 1 sleep 6 follow indicate pattern sleep stage complete sleep cycle early night 7 follow well explain student ability sit couch watch rerun favorite tv study chemistry exam a. selective attention b. divide attention d. parallel processing 8 theory dreaming state dream thought wakeful period use stream consciousness system a. activation synthesis theory b. problem solving theory c. cognitive process theory d. neurocognitive theory 9 19 year old college student bloodshot eye pick campus police shoplift large bag corn chip dozen ice cream sandwich questioning student stop giggle repeatedly ask water complain dryness mouth psychoactive substance drug student likely recently 10 language consist multiple component follow involve order word 11 child speak sentence 3 word make



grammatical error include misuse past tense old child likely a. 14 month b. 22 month c. 30 month d. 5 year 12 language theory state language development occur preferential reinforcement certain phoneme parent caregiver a. nativist theory b. learning theory c. social interactionist theory d. neurocognitive theory 13 stroke patient comprehend speech properly mouth form word following brain area likely affect a. broca area b. wernicke area c. arcuate fasciculus d. superior temporal gyrus

14 person sit terminal airport work challenging sudoku puzzle individual ignore intercom announcement announcement indicate boarding flight begin quickly get line following well explain person rapid response a. cocktail party phenomenon b. divide attention c. automatic processing d. effortful processing 15 follow stage dreaming occur i. stage 3 ii stage 4 a. b. ii c. iii d. ii iii cognition consciousness chapter information processing model heredity environment biologic factor 4.2 problem solving decision making type problem solving heuristic bias intuition emotion state consciousness 4.4 consciousness alter drug opiate opioid component language influence language cognition brain area language content chapter relevant 7 question behavioral science

mcats chapter cover material following aamc content category 6b make sense environment think world brain grant read speak ponder decision perform complex motor function brain rapidly electrical chemical impulse encode store retrieve information process occur awareness conscious thought imagine go grocery store fill cart compare price assess produce plan meal near future cashier total purchase pull debit card punch pin leave grocery shop grocery store brain busy take information decide stimulus require attention time make conscious decision purchase likely daydream maybe singe music play background awareness simple trip store time notice tremendous processing power brain navigate world way capacity simultaneous conscious thinking daydreaming decision making make human function province frontal lobe comparison specie planet disproportionately large h. sapiens sapiens frontal lobe enable

eschew instantaneous reward seek delay gratification like study mcat high score deserve frontal lobe control production language permit transmit idea individual culture time finally frontal lobe help coordinate thinking decide stimulus deserve attention function indispensable daily functioning focus chapter chapter 4.1 able list step information processing model cognition describe effect aging heredity environment cognitive recall piaget stage cognitive development key study cognition look brain process react incredible information overload present world cognition overall uniquely human trait certainly advanced specie planet term complex thought describe introduction frontal lobe disproportionately large subspecie comparison recent anthropological ancestor demonstrate skull shape accommodate enlarged lobe show figure 4.1 figure 4.1 skull h. sapiens left h. information processing model 1950s science engineering turn production computer artificial intelligence note certain step require order use computer store process information information encode language computer understand information store way find later finally computer able retrieve information require psychologist take model information processing apply human brain theorize brain somewhat like computer encode information series chemical electrical signal brain able store information retrieve need process brain able retrieve information manner

store information retrieve need process brain able retrieve information manner information encode store retrieve consistent source debate prominent theory paivio dual coding theory state verbal association visual image process store information example word tree recall information picture tree recall information fact code information different way build redundancy increase chance information retrieve effectively cue like search engine optimization computer program human brain computer computer analogy create simple paradigm information process brain tell story human brain handle information form fact handle emotion sensation smell taste memory discuss chapter 3 mcat behavioral sciences review encoding storage retrieval flavor context emotion key memory process encoding storage retrieval cover chapter 3 mcat behavioral sciences review information processing

model key component pillar thinking require sensation encoding storage stimulus stimuli  
analyze brain respond automatically useful decision making decision situation extrapolate  
adjust help solve new problem call situational modification problem solving dependent person  
cognitive level context complexity problem cognitive development development ability think  
solve problem life span interestingly childhood cognitive development limit pace brain  
maturation early cognitive development include learn control body learn interact manipulate  
environment early cognitive development characterize master physical environment physical  
task master new challenge loom develop child abstract thinking discuss chapter 1 mcat  
behavioral sciences review social skill develop lifetime abstract thought ability think thing  
physically present lose mental disorder example common cognitive test patient schizophrenia  
ask interpret cliché count chicken hatch patient concrete thinking answer focus chicken  
underlie review piaget stage cognitive development development ability think abstractly  
develop childhood development abstract thinking dependent increase work memory mental  
capacity brain develop ability process information abstract manner piaget stages cognitive  
development jean piaget influential figure developmental psychology piaget model cognitive  
development propose qualitative difference way child adult think difference explain divide life  
span stage cognitive development sensorimotor preoperational concrete operational formal  
operational piaget believe passage

development sensorimotor preoperational concrete operational formal operational piaget  
believe passage stage continuous sequential process completion stage prepare individual  
stage follow piaget stage cognitive development delve actual stage look piaget explain  
learning accord piaget infant learn mainly instinctual interaction environment example infant  
possess grasping reflex experience reflex infant learn possible grasp object piaget refer  
organize pattern behavior thought schemata schema include concept dog behavior ask  
sequence event normally sit restaurant child proceed stage new information place different  
schemata piaget theorize new information process adaptation accord piaget adaptation

information come complementary process assimilation accommodation assimilation process  
classify new information existing schema new information fit neatly exist schema  
accommodation occur accommodation process existing schema modify encompass new stage  
piaget model sensorimotor stage start birth last year age stage child learn manipulate  
environment order meet physical need learn coordinate sensory input motor action  
sensorimotor explore surrounding infant sensorimotor stage begin exhibit type behavior  
pattern call circular reaction name repetitive nature primary circular reaction repetition body  
movement originally occur chance suck thumb usually behavior repeat child find behavior  
soothing secondary circular reaction occur manipulation focus outside body repeatedly throw  
toy high chair behavior repeat child get response environment parent pick drop toy key  
milestone end sensorimotor stage development object permanence understanding object  
continue exist view object permanence idea peek a- boo show figure 4.2 game entertaining  
young infant lack object permanence time adult reveal face hand child interpret adult come  
existence object permanence mark beginning representational thought child begin create  
mental representation external object event figure 4.2

peek boo game depend child sensorimotor stage prior development object permanence  
preoperational stage last seven year age characterize symbolic thinking egocentrism symbolic  
thinking refer ability pretend play believe imagination egocentrism refer inability imagine  
person think feel preoperational stage include inability grasp concept conservation  
understanding physical remain change shape appearance example imagine child present  
equal quantity pizza plate single large slice plate exact quantity slice child preoperational  
stage unable tell quantity equal focus mainly number slice plate actual quantity piaget believe  
flaw cognition centration tendency focus aspect phenomenon example number slice ignore  
important element concrete operational stage last 7 11 year age stage child understand  
conservation consider perspective consideration result loss egocentrism additionally able  
engage logical thought long work concrete object information directly available child develop

ability think abstractly formal operational stage start 11 year age mark ability think logically abstract idea generally coincide adolescence stage mark ability reason abstract concept problem solve difference type thought concrete operation illustrate piaget pendulum experiment child give pendulum vary length string weight pendulum force push initial angle swing ask find determine frequency swing child concrete operational stage manipulate variable random distort datum fit preconceived hypothesis adolescent hand able hold variable constant give time proceed methodically discover length string affect frequency ability mentally manipulate variable number way generally scope scientific experiment important component formal operational stage term hypothetical reasoning role culture cognitive development cognitive development related culture culture determine expect learn culture place high value social learning include cultural tradition role culture value knowledge addition culture influence rate cognitive development child treat differently culture culture culture profound effect cognitive development social structure rule more culture discuss detail chapter 11 mcat behavioral lev vygotsky prominent educational psychologist propose engine drive cognitive development child internalization culture include interpersonal societal rule symbol language child develop skill ability formative

interpersonal societal rule symbol language child develop skill ability formative stage help adult child skill develop help come form instruction teacher watch child perform skill lev vygotsky key figure psychology identity kohlberg freud erikson propose stage system identity formation theorist discuss chapter 6 mcat behavioral sciences review cognitive change late adulthood aging bring change cognition reaction time increase steadily early adulthood time base prospective memory ability remember perform task specific time future decline age intellectual change occur iq change find mislead early research field intelligence aging indicate substantial decline iq occur age 30 40 order elucidate specific change occur intelligence separate subtype fluid intelligence crystallized intelligence fluid intelligence consist solve new novel problem possibly creative method figure navigate new video game world involve usage

fluid intelligence crystallize intelligence relate solve problem acquire knowledge procedural instance work general chemistry stoichiometry problem require crystallize intelligence involve recall proper equation step take work calculation fluid intelligence show peak early adulthood decline age crystallize intelligence peak middle adulthood remain stable age decline intellectual ability adulthood link long old adult retain ability function know activity daily living eating bathe toilete dress ambulation appear decline uniform certain characteristic high level education frequent performance intellectual activity socializing stimulate environment find protective intellectual decline intellectual decline benign type intellectual decline common indicate progressive loss function old age disorder condition characterize general loss cognitive function collectively know dementia dementia begin impaired memory later progress impaired judgment confusion personality change common dementia progress common cause dementia alzheimer disease vascular multi infarct dementia cause high blood pressure repeat microscopic clot brain common cause important note people dementia require time supportive care order carry activity daily living cause tremendous stress family include child spouse dementia care person dementia fall family alzheimer disease account approximately 60 80 dementia case heredity environment biologic factor

account approximately 60 80 dementia case heredity environment biologic factor cognition affect wide variety condition include actual problem brain organic brain disorder genetic chromosomal condition metabolic derangement long term drug use environment affect cognitive development day day parenting style influence cognitive development reward punishment indifference emerge skill addition genetic predispose state cognitive development difficult example genetic chromosomal disease syndrome fragile x syndrome associate delay cognitive development antisocial personality disorder show strong genetic component presence gene disorder difficult child appreciate right intellectual disability child cause chemical exposure illness injury trauma birth alcohol use pregnancy cause fetal alcohol syndrome result slow cognitive development distinct craniofacial feature show figure 4.3

infection brain result electrical abnormality slow development complication birth especially cause reduce oxygen delivery brain affect cognition finally reduced cognition occur follow trauma brain occur shake baby figure 4.3 craniofacial feature fetal alcohol syndrome delirium associate alcohol withdrawal call delirium tremen life threaten depressant alcohol major drug abuse overdose withdrawal lethal cognitive decline adulthood slow rapid decline cognition result delirium delirium rapid fluctuation cognitive function reversible cause medical nonpsychological cause cause variety issue include electrolyte ph disturbance malnutrition low blood sugar infection drug reaction alcohol withdrawal pain mcat concept check 4.1 assess understanding material question 1 step information processing model 2 person bring parent old adult doctor past day parent overhear speak spouse deceased year prior parent completely normal parent likely 3 list piaget stage cognitive development key feature 4.2 problem solving decision chapter 4.2 able identify example functional fixedness mental set trial error problem solving algorithm deductive reasoning recall key fallacy bias include base rate fallacy disconfirmation principle confirmation bias overconfidence belief describe model intellectual functioning test intellectual ability explain availability representativeness heuristic day face problem problem solve real conscious thought happen like scientific method problem solving process frame problem create mental

like scientific method problem solving process frame problem create mental image schematic issue generate potential solution begin test potential solution derive mental set tendency approach similar problem way solution test evaluate result consider potential solution easy effective way step problem solving frame problem obvious stick problem manner frame problem inefficient useful problem solving impede inappropriate mental set functional fixedness demonstrate duncker candle problem consider following scenario walk room box match tack candle task mount candle wall wax drop floor read try solve problem people find task challenging think tack candle wall solution work wax drop floor key realize matchbox serve container match holder candle solution tack box wall candle box functional fixedness

define inability consider use object nontraditional manner type problem solving psychology  
different approach problem solving include trial and- error algorithm deductive reasoning  
inductive reasoning trial error sophisticated type problem solving solution try find work  
educated approach type problem solving usually effective relatively possible solution  
algorithm formula procedure solve certain type problem algorithm mathematical set  
instruction design automatically produce desire solution deductive reasoning start set general  
rule draw conclusion information give example deductive reasoning logic puzzle show figure  
4.4 puzzle synthesize list logical rule come single possible solution problem figure 4.4 logic  
puzzle grid logic puzzle application deductive reasoning possible solution deduce base  
information give remember deduction solution true base information give answer mcat  
merely true correct answer inductive reasoning seek create theory generalization type  
reasoning start specific instance draw conclusion heuristic bias intuition emotion decision day  
relate daily routine wear today concern broad life goal go apply medical school decision  
making complicated process use number tool heuristic bias intuition emotion speed simplify  
process useful time complexity standpoint tool lead short sighted heuristic simplify principle  
decision colloquially call rule thumb availability heuristic heuristic base likelihood event easily  
example event

thumb availability heuristic heuristic base likelihood event easily example event come mind  
use heuristic lead correct decision example answer following question word english language  
start letter k k letter people respond word begin letter k k letter fact actually twice word  
english k letter begin k.

people approach question try think word fit category classify word letter people easily think  
word begin k. people hard time think word k letter case availability heuristic tend lead  
incorrect detail question mcat wrong answer choice state passage fail answer question pose  
accord availability heuristic student truly problem solve mcat question tempt familiar sound



answer merely recall statement mention passage forget use distillation effectively describe chapter 6 mcat critical analysis reasoning skills review representativeness heuristic involve categorize item basis fit prototypical stereotypical representative image category example consider standard coin flip time row land head time probability coin land head time mathematically probability 50 percent individual overestimate probability base pattern establish underestimate probability logic number head tail like availability heuristic use representativeness heuristic lead astray

prototypical stereotypical factor ignore actual numerical information call base rate heuristic lead astray essential speedy effective decision making heuristic expert give field instance win chess able think move ahead particular turn 15 20 possible move multiple consequence analyze possibility far long heuristic quickly rule possible move king protect generally good control center square piece danger possible way heuristic provide efficient inaccurate method problem solving bias overconfidence potential solution problem fail testing solution discard know disconfirmation principle evidence obtain testing demonstrate solution work presence confirmation bias prevent individual eliminate solution confirmation bias tendency focus information fit individual belief reject information go confirmation bias contribute overconfidence tendency erroneously interpret decision knowledge belief infallible additional type bias hindsight bias tendency people overestimate ability predict outcome event happen similar phenomenon belief perseverance refer inability reject particular belief despite clear evidence contrary confirmation bias overconfidence hindsight bias belief perseverance seriously impede person analysis available evidence intuition define ability act perception support available evidence people belief necessarily support evidence person feel correct intuition develop experience example emergency room physician course see thousand patient chest pain develop keen sense patient actually have heart attack look electrocardiogram ekg patient vital sign intuition accurately describe recognition- prime decision model doctor brain actually sort wide variety information match pattern time doctor gain extensive level

experience access emotion subjective experience person certain situation person feel influence person think make decision example person angry likely engage risky decision making addition emotion decision making limit emotion experience decision emotion person expect feel particular decision involve example people believe car feel powerful likely purchase car intellectual functioning highly study area psychology intelligence define make intelligent multifaceted question difficult answer theorist propose model aspect intelligence theory intelligence debate concern definition intelligence howard gardner theory multiple intelligence all- encompass definition define type intelligence linguistic logical mathematical

intelligence all- encompass definition define type intelligence linguistic logical mathematical musical visual spatial bodily kinesthetic interpersonal intrapersonal naturalist gardner argue culture value ability linguistic ability logical mathematical ability ability test traditional intelligence quotient iq test despite central focus culture gardner discuss people interpersonal intrapersonal intelligence heavily impact quality life interpersonal intelligence ability detect navigate mood motivation gardner believe people high interpersonal intelligence great sale representative therapist intrapersonal intelligence center mindful emotion strength weakness provide clear guidance role group society gardner multiple intelligence include linguistic logical mathematical musical visual spatial bodily kinesthetic interpersonal intrapersonal naturalist robert sternberg pioneer cognitive perspective focus people use intelligence take traditional approach try measure individual level intelligence specifically sternberg triarchic theory human intelligence define subtype analytical intelligence involve ability evaluate reason creative intelligence ability solve problem novel method practical intelligence involve deal everyday problem home work successful navigation social world require good understanding emotion emotion theory emotional intelligence address emotional awareness component ability express perceive emotion ourself ability comprehend analyze emotion ability regulate emotion awareness emotion shape thought decision empathy give example emotional intelligence empathy require individual understand emotion recognize emotion people

variation intellectual ability number test study historically attempt quantify intelligence found concept test charles spearman g factor general intelligence factor theory existence g factor base observation performance different cognitive task case positively correlate indicate underlie factor variable play role underlie variable intelligence measure standardized test generate intelligence quotient iq test taker iq test largely pioneer alfred binet early twentieth century professor stanford university take binet work create know stanford binet iq test behavioral science guide example expert decision use affect heuristic quick judgment depend emotional state emotional content decision specifically option provoke positive emotion likely choose evoke negative emotion choice quantitatively identical case choice associate negative feeling quantitatively well following study conduct definition new

associate negative feeling quantitatively well following study conduct definition new term study 1 researcher provide participant quantitative information issue violent crime steadily decline deer overpopulation steadily increase participant ask rate severity problem scale bad good problem differ severity study 2 participant ask set price listing retail electronic listing include unused item include 18 item 14 unused 4 describe poor set item vary content iv list content broken study 3 participant ask determine punishment number hypothetical college student commit form academic dishonesty participant provide photograph description student student group participant provide picture student smile mete punishment people smile group provide picture

student neutral expression adapt wilson robyn s. arvai

joseph l. march 2006 affect influence preference compare low high- risk option journal risk research 9 2 165–178 lafrance m. hecht m.a. march 1995 smile generate leniency personality social psychology bulletin 21 3 207–214 affect heuristic show factor study describe predict result mcat ask predict outcome experiment want consider content passage outside

knowledge relevant fortunately passage provide need definition affect heuristic paragraph study want select result prioritize emotional content study 1 notion violent crime likely provoke strong negative feeling people idea deer overpopulation expect associate emotional response likely participant rate violent crime bad problem deer overpopulation regardless actual outcome analyze quantitative impact issue heuristic explain people afraid attack shark beach likely cause death statistically injury death shark attack extremely unlikely study 2 predict break item cause second listing value lower listing second listing actually contain item unused additional broken item expect provoke negative feeling second listing fact research support idea participant add value item separately evaluate heuristically perceive average value set item finally study 3 expect smile student judge harshly present neutral expression base decision making heuristic smile student likely associate positive emotion decision likely alter base emotional input summarize predict base affect heuristic study 1 violent crime rate problematic issue study 2 batch item contain broken good rate valuable study 3 smile student judge harshly neutral student later iteration test use different methodology arrive score useful know original formula calculate iq  $\text{chronologica age} \times 100$  equation year old intelligence ability level average year old iq 150 distribution iq score original study stanford binet iq test show figure 4.5 distribution iq score child 5 14 year age mean = 100 sd = 15 theorist argue heavily intelligence hereditary trait notably galton novel hereditary genius reality variation intellectual ability attribute determinant include gene environment educational experience intellectual ability appear run family

include gene environment educational experience intellectual ability appear run family genetic environment environment simply enrich parental expectation socioeconomic status nutrition show correlate intelligence educational system play significant role development intelligence child attend school tend great increase iq iq actually decrease slightly summer vacation early intervention childhood improve iq especially child low- enrichment environment finally child high iq cognitive disability benefit specialized educational environment student cognitive

disability define restrictive environment encourage participate possible regular mainstream classroom individualized help need stanford binet iq test popular find variable level success assess intelligence different age cultural group practice variety intelligence assessment find use world test use measure similar iq specialize subpopulation wechsler intelligence scale children wisc exam assessment eschew concept iq entirely instead follow alternative theory include gardner theory multiple intelligence mcat concept check 4.2 assess understanding material question 1 child play tool set note nail hit hammer friend suggest handle screwdriver hit nail child passionately object example 2 doctor use flowchart treat patient sepsis give use problem solving flowchart example 3 patient mental health facility believe sky pink despite trip outside patient declare sky pink psychological principle 4 provide brief definition availability chapter 4.3 able identify hormone associate circadian rhythm distinguish dyssomnia parasomnia associate stage sleep eeg waveform main consciousness level awareness world existence world state consciousness accept state consciousness alertness sleep dreaming alter state consciousness technically sleep dreaming consider alter state consider state separately hypnosis meditation drug induce alter state consciousness altered state consciousness result sickness dementia delirium coma alertness state consciousness awake able think state able perceive process access verbalize information alert state experience certain level physiological arousal characterize physiological reaction increase heart rate breathing rate blood pressure cortisol level tend high electroencephalogram eeg wave indicate brain wake state alertness maintain neurological circuit prefrontal cortex brain fiber prefrontal cortex communicate reticular

neurological circuit prefrontal cortex brain fiber prefrontal cortex communicate reticular formation reticular activation system neural structure locate brainstem cortex awake alert brain injury result disruption connection result coma sleep important consider study mcat major exam tempting pull nighter attempt maximize test score good strategy success fact long term sleep deprivation link diminish cognitive performance development chronic disease

diabetes good way enhance recall test performance maintain regular schedule sleep regular sleep exercise healthy diet help test day successful stages sleep sleep study record brain wave activity occur course night sleep electroencephalography eeg record average electrical pattern different portion brain characteristic eeg pattern correlate different stage waking sleeping beta alpha theta delta wave fifth wave correspond rem sleep time night dream sleep stage form complete cycle last 90 minute electroencephalogram eeg test monitor electrical activity brain consist 19 record electrode place scalp 20 40 minute continuously inpatient setting technique study sleep identify area unusual brain activity see seizure beta alpha wave characterize brain wave activity awake show figure 4.6 beta wave high frequency occur person alert attend mental task require concentration beta wave occur neuron randomly fire alpha wave occur awake relax eye close somewhat slow beta wave alpha wave synchronized beta wave figure 4.6 beta alpha wave eeg beta alpha wave see alertness soon doze enter stage 1 know nrem1 detect eeg appearance theta wave show figure 4.7 point eeg activity characterize irregular waveform slow frequency high voltage figure 4.7 theta waves theta wave see stage 1 2 sleep fall deeply asleep enter stage 2 nrem2 eeg show theta wave sleep spindle burst high frequency wave k complex singular high amplitude wave show figure 4.8 figure 4.8 sleep spindle k complex stage 2 sleep fall deeply asleep enter stage 3 nrem3 know slow wave sleep sws eeg activity grow progressively slow

know slow wave sleep sws eeg activity grow progressively slow sleep wave second see low frequency high- voltage sleep wave call delta wave show figure 4.9 stage rouse sleep exceptionally difficult sws associate cognitive recovery memory consolidation increase growth hormone release figure 4.9 delta wave slow wave sleep stage collectively call non rapid eye movement sleep acronym nrem come intersperse cycle nrem stage rapid eye movement rem sleep rem sleep arousal level reach wakefulness muscle paralyze rem sleep call paradoxical sleep heart rate breathing pattern eeg mimic wakefulness individual asleep stage dreaming likely occur associate memory consolidation recent study associate rem procedural memory

consolidation sws declarative remember sequential order brain wave beta alpha theta delta  
combine letter form bat d remember bat sleep day sleep cycle change sleep cycle sleep cycle  
refer single complete progression sleep stage makeup sleep cycle change course night show  
figure 4.10 early night sws predominate brain fall deep sleep wakeful state later night rem  
sleep predominate figure 4.10 hypnogram sleep cycle life span length sleep cycle increase  
approximately 50 minute child 90 minute adult child spend time sws adult change sleep cycle  
disrupt sleep disordered work schedule cause health problem disruption sws rem result  
diminished memory sleep deprivation cause diminished cognitive performance person sleep-  
deprive unlikely recognize performance subpar sleep deprivation negatively affect mood  
problem solving motor skill sleep circadian rhythm daily cycle waking sleep regulate internally  
generate rhythm circadian rhythm human animal circadian rhythm approximate 24 hour cycle  
somewhat affect external cue light biochemical signal underlie circadian rhythm sleepiness  
partially attribute blood level melatonin serotonin derive hormone pineal gland retina direct  
connection hypothalamus control pineal gland decrease light cause release melatonin cortisol  
steroid hormone produce adrenal cortex relate sleep wake cycle level slowly increase early  
morning increase light cause release corticotropin release factor crf

early morning increase light cause release corticotropin release factor crf hypothalamus crf  
cause release adrenocorticotrophic hormone acth anterior pituitary stimulate cortisol release  
cortisol contribute wakefulness melatonin mellow cortisol help sun sol latin philosopher  
interested human experience hypothesize purpose meaning function dreaming antiquity  
ancient egyptians believe dream message send supernatural world tell future event ancient  
greece people believe dream carry message god dream require help priest interpret dream  
long subject hypothalamic pituitary adrenal axis example endocrine system regulate behavior  
endocrine system discuss chapter 5 mcat biology review dreaming occur rem soon enter  
stage 2 sleep mental experience start shift dreamlike state night approximately 75 dreaming  
occur rem rem dream tend long vivid experience purpose meaning dream fully understand

theory propose activation synthesis theory dream cause widespread random activation neural circuitry activation mimic incoming sensory information consist piece store memory current previous desire meet unmet need experience cortex try stitch unrelated information result dream bizarre somewhat familiar problem solve dream theory dream way solve problem sleep dream untethered rule real world allow interpretation obstacle differently wake hour finally cognitive process dream theory dream merely sleep counterpart stream consciousness think upcoming weekend trip consciousness quickly shift upcoming mcat test day content dream rapidly shift change ultimately question group right unify theory study dreaming limit difference brain mind dreaming neurological component highly subjective neurocognitive model dreaming seek unify biological psychological perspective dreaming correlate subjective cognitive experience dreaming measurable physiological change psychologist propose explanation dream notable freud separate dream manifest content actually see hear latent content underlie significance dream element freud model personality discuss chapter 6 mcat behavioral sciences review sleep wake disorder divide category dyssomnia parasomnia dyssomnia refer disorder difficult fall asleep stay asleep avoid sleep include insomnia narcolepsy sleep apnea parasomnia abnormal movement behavior sleep include night terror sleepwalking sleep wake disorder occur

behavior sleep include night terror sleepwalking sleep wake disorder occur nrem sleep insomnia difficulty fall asleep stay asleep common sleep wake disorder relate anxiety depression medication disruption sleep cycle circadian rhythm narcolepsy contrast condition characterize lack voluntary control onset sleep symptom narcolepsy unique include cataplexy loss muscle control sudden intrusion rem sleep wake hour usually cause emotional trigger sleep paralysis sensation unable despite awake hypnagogic hypnopompic hallucination hallucination go sleep awaken dyssomnia sleep apnea inability breathe sleep people disorder awaken night order breathe sleep apnea obstructive central obstructive sleep apnea occur physical blockage pharynx trachea prevent airflow central sleep apnea occur brain fail send



signal diaphragm breathe night terror common child period intense anxiety occur slow wave sleep child thrash scream terror sign sympathetic overdrive high heart rate rapid breathing usually occur sws child experience episode difficult wake usually remember dream morning sleepwalking somnambulism usually occur sws people sleepwalk eat talk sexual intercourse drive great distance sleep absolutely recollection event return bed awake morning knowledge nighttime activity contrary popular belief awaken person sleepwalking harm person generally suggest quietly guide individual bed avoid disturb sws hypnagogic hallucination occur go bed hypnopompic hallucination occur pop bed sleep deprivation result little night sleep multiple night poor quality short duration sleep sleep deprivation result irritability mood disturbance decrease performance slow reaction time extreme deprivation cause psychosis lose sleep people permit sleep normally sleep deprivation exhibit rem rebound early onset great duration rem sleep compare hypnosis name ancient greek god sleep hypnos document eighteenth century hypnosis define state person appear control normal function highly suggestible state word

hypnotize person easily succumb suggestion hypnosis start hypnotic induction hypnotist seek relax subject increase subject level concentration hypnotist suggest perception action hypnotize person practice hypnosis sensationalize version medium hypnotist snap finger cause individual exhibit bizarre behavior hypnosis successfully pain control psychological therapy memory enhancement weight loss smoking cessation brain imaging indicate hypnotic state real effective hypnosis require willing personality lack skepticism hypnosis recover repressed memory trauma memory admissible court law suggestible state hypnotism make individual vulnerable create false memory perceive completely real false memory discuss chapter 3 mcat behavioral sciences review define meditation tricky highly dependent practitioner meditation belief meditation central practice religion meditation usually involve quieting mind purpose spiritual religious relate stress reduction secular western tradition meditation counseling psychotherapy produce sense relaxation relief anxiety worrying end

meditation cause physiological change decrease heart rate blood pressure eeg meditation resemble stage 1 sleep theta slow alpha wave recent study demonstrate mindful meditation improve psychological help improve test score student performance time study mcat mind calm sharp mcat concept check 4.3 assess understanding material question 1 sleep stage list eeg waveform main feature 2 hormone associate maintain 3 difference dysomnia parasomnia provide example 4.4 consciousness alter drug chapter 4.4 able list drug drug class know increase gaba activity recall drug drug class know upregulate dopamine norepinephrine serotonin activity identify main structure mesolimbic reward pathway primary neurotransmitter pathway consciousness alter drug know psychoactive drug generally describe different group depressant stimulant opiate hallucinogen biologically speak marijuana depressant stimulant hallucinogenic effect consider separately depressant reduce nervous system activity result sense relaxation reduce anxiety depressant alcohol certainly common sedative downer calm induce alcohol different effect brain increase activity gaba receptor chloride channel cause hyperpolarization membrane show figure 4.11 hyperpolarization cause generalize brain inhibition

physiological level result diminish arousal moderate dose change brain activity cause change outward behavior example excessive consumption alcohol associate notable lack self control know disinhibition occur center brain prevent inappropriate behavior depress alcohol increase dopamine level cause sense mild euphoria high dose brain activity disrupted logical reasoning motor skill affect fatigue result main effect logical reasoning inability recognize consequence action create short sighted view world call alcohol myopia figure 4.11 gaba receptor gaba primary inhibitory neurotransmitter brain receptor chloride channel

cause hyperpolarization membrane alcohol use implicate automobile accident homicide perpetrator victim hospital admission intoxication alcohol measure blood alcohol level alcohol widely abuse drug alcoholism rate tend high low socioeconomic status ses people low ses

alcoholism tend enter recovery soon high rate alcoholism tend run family child people alcoholism likely suffer major depressive disorder long- term consequence alcoholism include cirrhosis liver failure pancreatic damage gastric duodenal ulcer gastrointestinal cancer brain disorder include wernicke korsakoff syndrome cause deficiency thiamine vitamin b1 characterize severe memory impairment change mental status loss motor skill sedative tend depress central nervous system activity result feeling calm relaxation drowsiness type sedative barbiturate benzodiazepine barbiturate historically anxiety reduce anxiolytic sleep medication replace benzodiazepine prone overdose barbiturate include amobarbital phenobarbital benzodiazepine include alprazolam lorazepam diazepam clonazepam drug increase gaba activity cause sense relaxation drug type highly addictive take alcohol overdose barbiturate benzodiazepine result coma death stimulant cause increase arousal nervous system drug increase frequency action potential different amphetamine cause increased arousal increase release dopamine norepinephrine serotonin synapse decrease reuptake increase arousal cause reduction appetite decrease need sleep physiological effect include increase heart rate blood pressure psychological effect include euphoria hypervigilance edge anxiety delusion grandeur paranoia prolonged use high dose amphetamine result stroke brain damage people amphetamine suffer withdrawal discontinuation lead depression fatigue irritability cocaine originate coca plant grow high altitude region south america cocaine purify leave create synthetically similar amphetamine cocaine act dopamine norepinephrine serotonin synapsis cocaine decrease reuptake neurotransmitter instead effect cocaine intoxication withdrawal similar amphetamine list cocaine anesthetic vasoconstrictive property surgery highly vascularized area nose throat vasoconstrictive property lead heart attack stroke recreationally crack form cocaine smoke quick potent effect drug highly addictive ecstasy commonly call e act hallucinogen combine amphetamine designer amphetamine mechanism effect similar amphetamine physiologically ecstasy cause increase heart rate increased blood pressure blurry vision

ecstasy cause increase heart rate increased blood pressure blurry vision sweating nausea hyperthermia psychologically ecstasy cause feeling euphoria increased alertness overwhelming sense connectedness

ecstasy example club rave drug package colorful pill show figure 4.12 figure 4.12 pill ecstasy mdma opiate opioids opiate opioid type narcotic know painkiller derive poppy plant opium abuse century today numerous drug recreationally therapeutically derive opium naturally occur form call opiate include morphine codeine semisynthetic derivative call opioid include oxycodone hydrocodone heroin compound bind opioid receptor peripheral central nervous system act endorphin agonist cause decrease reaction pain sense euphoria overdose cause death respiratory suppression brain stop send signal breathe heroin diacetylmorphine originally create substitute morphine inject body rapidly metabolize heroin morphine usually smoke inject heroin widely abuse opioid designation shift prescription opioid like oxycodone hydrocodone treatment opioid addiction include use methadone long act opioid low risk overdose hallucinogen drug typically cause introspection distortion reality fantasy enhancement sensory experience physiologic effect include increase heart rate blood pressure dilation pupil sweating increase body temperature example hallucinogen include lysergic acid diethylamide lsd show figure 4.13 peyote mescaline ketamine psilocybin contain mushroom exact mechanism hallucinogen unknown think complex interaction neurotransmitter especially figure 4.13 sheet lsd blotter paper lsd sell colorful paper reflect fact like ecstasy lsd consider club drug marijuana show figure 4.14 primarily refer leave flower plant specie cannabis sativa cannabis indica subject news report year state legalization marijuana medical recreational use talk legal status marijuana united states fairly recent marijuana century early know account originate approximately 3 b.c.e. figure 4.14 cannabis active chemical marijuana know tetrahydrocannabinol thc thc exert effect act cannabinoid receptor glycine receptor opioid receptor receptor interact create high achieve marijuana use unknown know thc inhibit gaba activity indirectly increase dopamine activity cause pleasure

physiological effect mixed include eye redness dry mouth fatigue impairment short term memory increase heart rate increase appetite lower blood pressure psychologically effect fall category stimulant depressant hallucinogen drug addiction highly related mesolimbic reward pathway

stimulant depressant hallucinogen drug addiction highly related mesolimbic reward pathway dopaminergic pathway brain show figure 4.15 pathway include nucleus accumbens nacc ventral tegmental area vta connection call medial forebrain bundle mfb pathway normally involve motivation emotional response activation account positive reinforcement substance use addiction pathway activate substance produce psychological dependence gambling fall love activate pathway figure 4.15 dopaminergic pathway brain reward pathway compose nucleus accumbens ventral tegmental area vta medial forebrain bundle label mcat concept check 4.4 assess understanding material question 1 drug drug class know increase gaba activity brain 2 drug drug class know increase dopamine norepinephrine serotonin activity 3 main structure mesolimbic reward pathway pathway primary chapter 4.5 able compare contrast control processing automatic processing describe role filter selective attention attention refer concentrate aspect sensory environment sensorium definition straightforward understanding attention work mechanism shift attention set stimulus somewhat unclear selective attention focus sensorium ignore stimulus act filter sensory stimulus process system stimulus attend pass filter analyze stimulus attend lose original conceptualization selective attention view or-process choose particular stimulus attention stimulus lose recent evidence indicate imagine party talk friend ear perk hear speak halfway room engage conversation presumably pay attention able perceive mention call cocktail party phenomenon evidence different interpretation selective attention selective attention probably filter allow focus thing allow stimulus process background stimulus particularly important mention sudden flash light pain shift attention dichotic listening test design test selective attention participant give headphone distinct auditory stimulus go ear participant ask pay attention stimulus ask repeat loud hear

attend ear term shadowing task test selective attention participant ask filter information  
unattended ear alternatively task test participant subconsciously gain information unattended  
ear divided attention ability perform multiple task time new complex task require undivided  
attention utilize controlled effortful processing discuss chapter 3 mcat behavioral sciences  
review contrast familiar routine action

chapter 3 mcat behavioral sciences review contrast familiar routine action perform automatic  
processing permit brain focus task divide attention consider learn drive driver intensely grip  
steering wheel pay undivided attention road ahead accustomed drive relegate aspect driving  
like know hard push pedal automatic processing let driver perform secondary task change  
radio station say automatic processing far perfect allow innovation rapid response change  
contribute high incidence car accident result distract driving mcat concept check 4.5 assess  
understanding material question 1 compare contrast controlled effortful processing  
controlled effortful processing 2 briefly describe function filter selective chapter 4.6 able recall  
expect milestone language development age occur identify primary characteristic nativist  
behaviorist social interactionist theory language development describe symptom brain region  
associate broca wernicke conduction aphasia write speak sign language fundamental creation  
community human begin live group ability communicate essential division labor sense shared  
history require meaning language speaker language component language basic component  
language phonology morphology semantics syntax pragmatics phonology refer actual sound  
language 40 speech sound phoneme english exist language show figure 4.16 child learn  
produce recognize sound language separate environmental noise human create sound like  
coughing additionally language subtle difference speech sound represent change meaning  
child learn distinguish phoneme ability call categorical perception ability recognize word  
pronunciation word vary people auditory example constancy describe chapter 2 mcat  
behavioral figure 4.16 section international phonetic ipa unambiguous system write know  
phoneme human language morphology refer structure word word compose multiple building

block call morpheme connote particular meaning consider word redesign break morpheme indicate design verb root ed indicate action past semantic refer association meaning word child learn certain combination phoneme represent certain physical object event word refer entire category animal refer specific member category doggy skill develop young child refer animal doggy syntax refer word form sentence child notice effect word order meaning

refer word form sentence child notice effect word order meaning nathan piece candy different meaning nathan piece finally pragmatic refer dependence language context preexisting knowledge word manner speak differ depend audience relationship audience imagine ask share seat bus depend ask word request wildly different way stranger formal pardon mind share seat close friend hey pragmatic affect prosody rhythm cadence inflection voice effectively interact society child learn communicate language oral sign important precursor language babble exception child include child hear impaired spontaneously begin babble year child hear babbling reach high frequency month child hear impaired deaf verbal babbling cease soon begin timeline language acquisition 9 12 month babble 12 18 month word month 18 20 month explosion language combine word 2 3 year long sentence 3 word 5 year language rule largely master timeline language acquisition fairly consistent child 12 18 month child add word month start 18 month explosion language begin naming explosion child quickly learn dozen word use word vary inflection gesture convey desire meaning example child ask apple point apple bowl fruit effort request apple naming explosion child frequently fall overextension inappropriately apply term object bear cursory similarity term example attempt request kiwi fruit bowl child point kiwi ask apple child age gesture inflection context essential parent caregiver identify meaning 18 20 month age child begin combine word example child eat apple indicate like eat apple grocery store child ask apple distinguish fruit way context gesture important ability assemble sentence develop age year child speak long sentence vocabulary grow exponentially child create long sentence grammatical error increase child internalize complex rule grammar include error growth child apply grammatical

rule morpheme situation apply runne instead run funner instead fun interestingly caregiver likely correct error grammar error word choice language substantially master age acquisition language appear easy child lead significant

substantially master age acquisition language appear easy child lead significant speculation exactly occur pediatrician monitor language development determine developmental delay example year old child use few 10 word significant developmental delay refer speech therapy prompt search developmental issue nativist biological theory nativist biological theory largely credit linguist noam chomsky advocate existence innate capacity language chomsky know study transformational grammar focus syntactic transformation change word order retain meaning example take mcat vs. mcat take chomsky note child learn transformation effortlessly early age conclude ability innate theory innate ability call language acquisition device lead theoretical pathway brain allow infant process absorb language rule nativist believe critical period language acquisition year puberty language exposure occur time later training largely ineffective idea come light unfortunate test case victim child abuse child isolate human contact age thirteen discover authority later language exposure unable master rule language able learn aspect syntax fact child able learn rule indicate sensitive period language development critical period sensitive period time environmental input maximal effect development ability psychologist consider sensitive period language development onset puberty learning behaviorist theory learning behaviorist theory propose b. f. skinner explain language acquisition operant conditioning young baby capable distinguish phoneme human language month age strong preference phoneme language speak parent skinner explain language acquisition reinforcement caregiver repeat reinforce sound sound like language speak time infant perceive certain sound little value reinforce sound value reliably reinforce caregiver account development word speech psycholinguist point theory fully explain explosion vocabulary occur early childhood social interactionist theory social interactionist theory language development focus interplay biological social process language acquisition



drive child desire communicate behave social manner interact caretaker child interactionist theory allow role brain development acquisition language biological foundation language develop child expose language brain group sound meaning child interact certain brain circuit reinforce de emphasize result atrophy circuit influence

certain brain circuit reinforce de emphasize result atrophy circuit influence language cognition psycholinguistics long focus relationship language thinking linguist benjamin whorf propose whorfian hypothesis call linguistic relativity hypothesis suggest perception reality way think world determine content language essence language affect way think way instance english language accord whorfian hypothesis people speak inuit dialect well discriminate subtlety different type snow english speaker somewhat controversial notion depend definition word linguist agree language influence think degree word choice inflection context speaker play role perception message addition language provide original framework understand information expansive framework specific vocabulary allow sophisticated processing information enhance communication information brain area language different area brain responsible speech production language comprehension show figure 4.17 locate dominant hemisphere usually left hemisphere broca area locate inferior frontal gyrus frontal lobe control motor function speech connection motor cortex wernicke area locate superior temporal gyrus temporal lobe responsible language comprehension broca area wernicke area connect arcuate fasciculus bundle axon allow appropriate association language comprehension speech figure 4.17 brain area associate language blue = broca area green = wernicke area colored region associate aspect language scope mcat yellow = supramarginal gyrus orange = angular gyrus light pink = primary auditory cortex aphasia deficit language production comprehension know language aphasia observation people damage speech relate area damage occur broca area speech comprehension intact patient reduced absent ability produce speak language know broca expressive aphasia patient frustrated stick sensation have word tip tongue hand wernicke area damage motor production fluency speech retain

comprehension speech lose know wernicke receptive aphasia speech comprehension lose patient speak nonsensical sound inappropriate word combination devoid meaning patient wernicke aphasia believe speak understand perfectly people comprehension say frustrating patient finally arcuate fasciculus affect result aphasia know conduction aphasia broca wernicke area unaffected speech production comprehension intact patient unable repeat say connection region lose

production comprehension intact patient unable repeat say connection region lose rare form aphasia mcat concept check 4.6 assess understanding material question 1 age list expect milestone(s language development 9 12 month 12 18 month 18 20 month 2 3 year 2 theory language acquisition primary motivation trigger language 3 briefly describe clinical feature type aphasia big question psychology biology seek answer brain organ consist lipid water neurotransmitter mind cognition consciousness allow think occur complex interaction individual neuron brain experience consciousness behavior intricately intertwine physiological brain function language complex cognitive process require intact comprehension production mechanism understanding rule native language research mind work interest feel function motivation internal external emotion explore detail chapter review content test knowledge critical thinking skill complete test like passage set online resource thought conscious brain process make decision importance stimulus level conscious awareness information processing model state brain encode store retrieve information like computer ability think abstractly develop life span early cognitive development limit brain maturation culture gene environment influence cognitive development piaget stage cognitive development sensorimotor preoperational concrete operational formal operational sensorimotor stage focus manipulate environment meet physical need circular reaction object permanence end stage preoperational stage focus symbolic thinking egocentrism centration concrete operational stage focus understand feeling manipulate physical concrete object formal operational stage focus abstract thought mild level cognitive decline aging normal significant

change cognition signify underlie disorder biological factor affect cognition include organic brain disorder genetic chromosomal condition metabolic derangement problem solving decision making problem solving require identification understanding problem generation potential solution testing potential solution evaluation result mental set pattern approach give problem inappropriate mental set negatively impact problem solving functional fixedness tendency use object way normally utilize create barrier problem type problem solving include trial error algorithm deductive reasoning derive conclusion general rule inductive reasoning derive generalization evidence heuristic bias

conclusion general rule inductive reasoning derive generalization evidence heuristic bias intuition emotion assist decision making lead erroneous problematic decision heuristic shortcut rule thumb decision bias exist experimenter decision maker unable objectively evaluate information intuition gut feeling particular decision intuition attribute experience similar situation emotional state play role decision making gardner theory multiple intelligence propose area intelligence include linguistic logical mathematical musical visual spatial bodily kinesthetic interpersonal intrapersonal variation intellectual ability attribute combination environment education genetic state consciousness include alertness sleep dreaming alter state consciousness alertness state awake able think perceive process express information beta alpha wave predominate electroencephalography eeg sleep important health brain body stage 1 light sleep dominate theta wave eeg stage 2 slightly deep include theta wave sleep spindle k stages 3 4

deep

slow wave sleep sws delta wave predominate eeg sleep wake disorder occur stage 3 4 non rapid eye movement nrem sleep dream sws focus consolidate declarative memory rapid eye movement rem sleep call paradoxical sleep mind appear close awake eeg person asleep eye

movement body paralysis occur stage dream rem focus consolidate procedural memory sleep cycle approximately 90 minute adult normal cycle stage 1-2-3-4-3-2 rem 1-2-3-4 rem rem frequent morning change light evening trigger release melatonin pineal gland result sleepiness cortisol level increase early morning help promote wakefulness circadian rhythm normally trend 24 hour day dreaming occur rem dreaming occur sleep stage different model attempt account content purpose dreaming sleep wake disorder include dyssomnia insomnia narcolepsy sleep apnea sleep deprivation parasomnia night terror sleepwalking somnambulism hypnosis state consciousness individual appear control normal faculty highly suggestible state hypnosis pain control psychological therapy memory enhancement weight loss smoking cessation meditation involve quieting mind relief anxiety play role world religion consciousness alter drug group effect depressant stimulant opiate hallucinogen depressant include alcohol barbiturate benzodiazepine promote mimic gaba activity brain stimulant include amphetamine cocaine ecstasy increase dopamine norepinephrine serotonin concentration synaptic cleft opiate opioid include heroin morphine opium prescription pain medication oxycodone hydrocodone cause death respiratory depression hallucinogen include lysergic acid diethylamide lsd peyote mescaline ketamine psilocybin contain mushroom marijuana depressant stimulant hallucinogenic effect active ingredient tetrahydrocannabinol drug addiction mediate mesolimbic pathway include nucleus accumbens medial forebrain bundle ventral tegmental area dopamine main neurotransmitter selective attention allow pay attention particular stimulus determine additional stimulus background require divided attention use automatic processing pay attention multiple activity time language consist phonology morphology semantic syntax phonology refer actual sound speech morphology refer building block word rule pluralization s english past tense ed forth semantic refer meaning word syntax refer rule dictate word order pragmatic refer change language

syntax refer rule dictate word order pragmatic refer change language delivery depend theory language development focus different reason motivation language acquisition nativist

biological theory explain language acquisition innate control language acquisition device  
learning behaviorist theory explain language acquisition control operant conditioning  
reinforcement social interactionist theory explain language acquisition cause motivation  
communicate interact whorfian linguistic relativity hypothesis state lens view interpret world  
create language speech area brain find dominant hemisphere usually left motor function  
speech control broca area damage result broca aphasia nonfluent aphasia generate word  
require great effort language comprehension control wernicke area damage result wernicke  
aphasia fluent nonsensical aphasia lack arcuate fasciculus connect wernicke area broca area  
damage result conduction aphasia mark inability repeat word hear despite intact speech  
generation answer concept check 1 step information processing model encoding storage  
retrieval 2 old adult likely delirium time course incompatible slow decline dementia focus  
manipulate environment physical need circular reaction end object permanence symbolic  
thinking egocentrism centration understand conservation feeling manipulate concrete object  
logically think abstractly problem solve 1 functional fixedness 3 belief perseverance 4  
availability heuristic make decision base easily similar instance imagine representativeness  
heuristic make decision base particular item situation fit give prototype able perceive process  
access information express information verbally light sleep dozing sleep spindle k complex  
slow wave sleep dream declarative memory consolidation sleep wake disorder occur stage  
slow wave sleep dream declarative memory consolidation sleep wake disorder occur stage  
appear awake physiologically dream procedural memory consolidation body paralyze 2  
hormone associate maintain circadian rhythm melatonin cortisol 3 dyssomnia disorder  
duration timing sleep disturb example include insomnia narcolepsy sleep apnea parasomnia  
disorder abnormal behavior occur sleep example include night terror sleepwalking  
somnambulism 1 drug know increase gaba activity brain include alcohol barbiturate  
benzodiazepine note marijuana inhibit gaba activity 2 drug know increase dopamine  
norepinephrine serotonin activity

gaba activity 2 drug know increase dopamine norepinephrine serotonin activity brain include amphetamine cocaine ecstasy mdma ecstasy designer amphetamine mention separately hallucinogenic 3 main structure mesolimbic reward pathway nucleus accumbens medial forebrain bundle ventral tegmental area neurotransmitter pathway 1 controlled effortful processing maintain undivided attention task usually new complex action automatic processing critical stimulus divide attention usually familiar 2 filter selective attention permit focus set stimulus scan stimulus background important information significant change environment 9 12 12 18 increase word month 18 20 explosion language combine word 2 3 year long sentence word language rule largely master 2 primary trigger nativist theory innate ability pick language language acquisition device learning theory operant conditioning reinforcement caregiver social interactionist theory desire communicate act socially 3 broca aphasia mark difficulty produce language hesitancy great difficulty come word wernicke aphasia fluent include nonsensical sound word devoid meaning language comprehension lose conduction aphasia mark difficulty repeat speech intact speech production comprehension science mastery assessment ean piaget

hypothesize

new information process adaptation b adaptation broad answer include assimilation accommodation d assimilation incorporation new information existing schema new information fit then accommodation occur accommodation modification exist schemata account new information correct answer drug cause paranoia elevation heart rate combine prolonged alertness decrease appetite suggest amphetamine match choice b base rate fallacy occur prototypical stereotypical factor analysis actual datum student volunteer hospital stroke center student see patient experience stroke expect hospital stroke enter experience change student perception result base rate fallacy deductive reasoning refer draw conclusion integrate different piece evidence representativeness heuristic b involve categorization

classification base individual example fit category confirmation bias d occur people seek information reinforce opinion fluid intelligence consist problem solve skill gardner eight multiple intelligence gardner theory list linguistic logical mathematical musical visual spatial bodily kinesthetic interpersonal intrapersonal naturalist intelligence eeg rem compose mainly beta wave present alertness sws b consist mainly delta wave typically present rem sleep stage 1 sleep c consist mainly theta wave meditation d quiet mind consist mainly slow alpha and theta wave early evening sleep cycle include deepening sleep stage 1-2-3-4 followed by lightening sleep stage 4-3-2 rem directly move stage 4 rem later evening cycle hortene slow wave sleep common divided attention ability perform task simultaneously routine action rewatch familiar episode favorite tv complete automatic processing allow brain focus task work task simultaneously mean student divide attention support b correct answer contrast parallel processing d refer brain ability analyze imagery process several aspect image shape color motion etc independently cognitive theorist propose cognitive process dream theory wakeful dream state use mental system brain particularly stream consciousness activation synthesis theory tat dream cause widespread random activation neural circuitry problem solve dream model b indicate dream solve problem sleep untethering dream obstacle perceive awake neurocognitive theorist d seek unify cognitive biological perspective

perceive awake neurocognitive theorist d seek unify cognitive biological perspective correlate subjective dream experience physiological experience dream description student match clinical feature

marijuana cannabis use hunger presumably base shoplift redness eye dry mouth euphoria marijuana cause increase heart rate short term memory loss paranoia high dose hallucination tetrahydrocannabinol primary active substance syntax refer word form sentence create meaning phonology refer actual sound language semantic b refer association meaning word pragmatic d refer o change usage wording inflection base context child speak word sentence

master fundamental rule language include past tense likely two year old learning theory largely based on work by b. f. skinner state parent enforces phoneme sound like language result preferential preservation phoneme nativist theory posit critical period language acquisition occurs social interactionist theory c indicate language develops interaction parent gives desire child communicate neurocognitive theory d concern subjective experience dreaming physiology dreaming broca area governs motor function language stroke affects broca area leaves receptive language intact word formation affected stroke affects wernicke area b individual unable comprehend speech stroke affects arcuate fasciculus c results in inability repeat word hears spontaneous language production intact superior temporal gyrus d wernicke area locates selective attention person focuses specific task filters background stimulus way individual ignores background noise works puzzle brain shifts attention quickly stimulus particularly important specific board flight shift knows cocktail party phenomenon name person ability quickly reorient focus hears party correct answer contrast effortful processing d describes person intense focus puzzle explains ability respond quickly boarding announcement similarly divides attention b works well simple task and question stem uses word challenge describes puzzle 75 dreaming occurs in rem dream occurs during stage sleep bizarre dream likely occurs in rem consult online resource additional practice equation remember chronological age  $\times 100$  behavioral science chapter 1 biology behavior behavioral science chapter 3 learning memory behavioral science chapter 6 identity personality behavioral science chapter 11 social structure demographic biology chapter 4 nervous system critical analysis reasoning skills

demographic biology chapter 4 nervous system critical analysis reasoning skills chapter 6 motivation emotion stress science mastery assessment pre med know feeling content know mcat know important high yield badge book helps identify important topics science mastery assessment tool mcat prep arsenal quiz take online resource guidance helps ensure spend appropriate time chapter based on personal strengths weaknesses worry skip means study later prep complete length test uncover specific piece content need review come chapter appropriate



use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read correspond subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept summary end chapter 1 college student strive excellent grade hope graduate well gpa old sibling type motivation consider a. extrinsic motivation b. intrinsic motivation c. primary drive d.

secondary drive 2 practice recital song home student sound perfectly pitch family friend perform recital large audience peer stranger coach student pitch tone result poor performance second performance good a. drive reduction theory b. instinct approach theory c. maslow hierarchy need d. yerkes dodson law 3 seek homeostasis reduce uncomfortable internal state associate motivational theory a. drive reduction theory b. instinct theory c. arousal theory d. incentive theory 4 people culture world identify follow a. happiness sadness surprise b. happiness anger apathy c. sadness anticipation happiness d. excitement anger disgust 5 experience emotion involve component a. behavioral reactionary cognitive b. emotional physical mental c. physiological cognitive behavioral d. emotional cognitive behavioral 6 statement notice heart race breathing rate increase see bear afraid correspond closely theory a. schachter singer theory b. yerkes dodson theory c. cannon bard theory d. james lange theory 7 theory motivation significantly inform darwin theory a. arousal theory b. drive reduction theory c. instinct theory d. incentive theory 8 simultaneous processing conscious emotion physiological activation define feature theory emotion a. schachter singer theory b. james lange theory c. incentive theory d. cannon bard theory 9 following brain region primarily responsible experience emotion b. prefrontal cortex c. basal ganglia 10 person high left frontal lobe activity likely experience 11 determination intensity risk stressor

occur stage(s stress appraisal a. primary appraisal b. secondary appraisal c. primary secondary appraisal d. primary secondary appraisal 12 medical student feel high level stress upcoming exam pressure family engage activity home student choose gym workout help relax workout type stress 13 type conflict associate stress a. approach approach conflict b. avoidance avoidance conflict c. approach avoidance conflict d. avoidance escape conflict 14

clean house notice large spider wall head feel heart rate jump skin temperature grow warm stage stress response experience 15 following response stress consider maladaptive a. drug use b. social withdrawal c. progressive muscle relaxation d. avoid stressor motivation emotion stress chapter drive reduction theory additional theory application element emotion adaptive role emotion theory emotion limbic system cognitive appraisal stress type stressor physiological response stressor emotional behavioral response stress coping stress management content chapter relevant 6 question behavioral science mcat chapter cover material following aamc content 6c respond world 7a individual influence behavior heart condition substantial bone density decrease esophageal stomach ulcer loss 25 percent body mass possible consequence anorexia nervosa develop condition extreme pressure work personal life look certain way time pressure motivate weight loss unhealthy manner patient motivate feeling disgust guilt directly body basic need combination stress job peer intrinsic extrinsic motivation negative emotion result life threatening chapter discuss motivation emotion stress look factor influence motivation component emotion stressor lead stress response look theory explain process associate behavior physiological cognitive behavioral element examine order understand role topic play everyday life explore idea enable tackle question relate concept test day chapter 5.1 able describe source motivation posit instinct theory arousal theory drive reduction theory need base theory order maslow propose hierarchy need essential apply opponent process theory drug use withdrawal motivation purpose drive force action word derive latin movere mean example motivation everyday life sit study mcat realize thirsty reach water bottle realize need quench thirst drive walk kitchen

fill bottle water physical state thirst motivate action desire medical school physician motivate complete required undergraduate coursework strive competitive gpa participate extracurricular activity dedicate time study standardized test goal stay fit healthy motivate spend hour gym initial discomfort physical activity motivate stay sedentary motivation direct minimize pain maximize pleasure root

motivate stay sedentary motivation direct minimize pain maximize pleasure root desire appetite fulfill physical need term appetite commonly refer need food term generally apply need eating drinking sleeping social acceptance motivation manifest external force reward punishment internal force behavior personally gratifying external force come outside oneself create extrinsic motivation extrinsic motivation include reward show desire behavior avoid punishment desire behavior achieve example motivation include work hard job praise boss practice regularly sport perform strongly upcoming game study month end achieve high score mcat act result external tangible reward extrinsic avoid fire competition strong form external motivation people incentivize beat win perform achieve motivation come oneself refer intrinsic motivation drive interest task pure enjoyment student take interest subject matter hand goal master content drive intrinsic motivation goal achieve high grade consider intrinsic motivation reduce introduce external reward scenario study child give art supply tell draw child tell receive gold ribbon drawing know potential reward drive extrinsic motivation spend time draw act receive reward child know reward draw sake draw intrinsic motivation spend time draw primary view motivation focus instinct elicit natural behavior desire maintain optimal level arousal drive reduce uncomfortable state goal satisfy physiological early attempt understand basis motivation focus instinct innate fixed pattern behavior example wolf instinctively pack creature naturally follow alpha male group additionally highly territorial creature protect area large need hunt dwell protection include scent marking howling direct aggressive attack intruder human instinctive behavior example thumb sucking instinctual response stress baby aim self soothe discuss chapter 1 mcat behavioral sciences review

primitive reflex like grasp reflex show figure 5.1 instinctual note instinct entire lifetime appear disappear figure 5.1 grasp reflex primitive reflex example instinct see infant extinguish age accord instinct theory motivation certain behavior base evolutionarily program instinct theory describe motivation derive darwin theory evolution william james father

theory describe motivation derive darwin theory evolution william james father modern psychology write human instinct 1890 publication principles psychology state human motivate instinct possibly animal study james suggest human action derive 20 physical instinct include suckling locomotion 17

mental instinct include curiosity fearfulness say instinct direct conflict override experience arguably great proponent instinct theory william mcdougall propose human lead thought behavior 18 distinctive instinct include flight acquisition james mcdougall postulate instinct suckle carry food mouth result naturally motivate eat instinct innate fix pattern behavior consistent life appear disappear time factor influence motivation arousal psychological physiological state awake reactive stimulus arousal involve brainstem autonomic nervous system endocrine system play vital role behavior cognition arousal theory state people perform action order maintain optimal level arousal seek increase arousal fall optimal level decrease arousal rise optimum level additionally yerkes dodson law postulate u shape function level arousal performance law state performance bad extremely high low level arousal optimal intermediate level depict figure 5.2 optimal level arousal vary different type task low level optimal highly cognitive task high level optimal activity require physical endurance stamina simple task generally require slightly high arousal complex task figure 5.2

yerkes dodson law moderate level arousal optimal performance certain individual seek high level arousal people seek dangerous activity skydiving bungee jumping individual find low level monoamine oxidase mao break catecholamine low level mao result high

neurotransmitter level lead motivation experience high level arousal drive reduction theory drives define internal state tension activate particular behavior focus goal drive think originate individual require external factor motivate behavior word drive help human survive create uncomfortable state ensure motivation eliminate state relieve internal tension create unmet need primary drive include need food water warmth motivate sustain bodily process homeostasis homeostasis regulation internal environment maintain optimal stable set condition homeostatic regulation external factor encounter system react push system homeostasis usually control negative feedback loop common real life example negative feedback loop thermostat thermostat set desire temperature sensor monitor air temperature relation desire temperature air temperature get cold heater turn temperature get warm heater turn negative feedback loop body operate way likewise body lack nutrient energy feedback system release hormone like ghrelin create hunger motivate eat consume food feedback send brain turn hunger drive hormone like leptin hunger complex feedback system involve hormone receptor wall stomach level glucose maintain liver insulin glucagon level release pancreas concentration hormone endocrine system regulate organ axis hypothalamic pituitary adrenal axis show figure 5.3 figure 5.3 negative feedback endocrine system characterize drive hunger food drive study 60 year hunger drive primary drive food necessary life give necessity food life specie possess multiple process drive individual consume food biological process include tie in sense smell taste demonstrate study notably janowitz grossman additional drive directly relate biological process call secondary drive drive think stem learning drive matriculate medical school physician example secondary drive secondary drive include certain emotion desire nurturing love achievement primary drive motivate sustain necessary biological process secondary drive motivate fulfill

drive motivate sustain necessary biological process secondary drive motivate fulfill nonbiological emotional learn desire drive reduction theory explain motivation base goal eliminate uncomfortable state theorist hypothesize certain physiological condition result

negative internal environment internal environment drive motivation seek homeostasis order reduce uncomfortable internal state drive reduction theory apply motivation term learn commonly define motivational state behavioral conditioning conditioning learning discuss chapter 3 mcat behavioral need base theory motivation energy resource allocate well satisfy human need need primary need generally physiological need need food water sleep shelter need secondary need generally mental state like desire power achievement social belonging abraham maslow define need relatively long last feeling require relief satisfaction tend influence action observe certain need yield great influence motivation establish refer maslow hierarchy need maslow classify need group assign different level priority group hierarchy typically display pyramid show figure 5.4 primitive essential important need base level pyramid correspond physiological need safety security love belonging self esteem high level pyramid correspond self actualization need realize full potential

maslow theorize low level need meet motivation meet need high priority low level need meet additional need exist satisfy base priority example person basic motivation satisfy physiological need follow need establish safe figure 5.4 maslow hierarchy needs know primary factor influence motivation key test day instinct arousal drive need mcat expect know common theory explain motivation need base motivational theory self determination theory sdt emphasize role universal need autonomy need control action idea competence need complete excel difficult task relatedness need feel accepted want relationship theorist explain need meet order develop healthy relationship oneself additional theory application theory motivation know mcat opponent process theory sexual motivation incentive theory expectancy value theory opponent process theory sexual motivation discuss detail incentive theory explain behavior motivate need arousal desire pursue reward avoid punishment expectancy value theory state motivation need reach goal result individual expectation success reach goal degree individual value succeed goal motivation stem biology impact additional psychological sociocultural factor strong natural motivation hunger people eat

sheer pleasure act motivation contribute obesity occur alarming rate united states societal cultural norm determine type food eat example culture traditional diet high fat participate social activity involve food extreme anorexia nervosa correlate biological cultural factor observe suffer disease likely suffer personality disorder prevalence anorexia united states increase significantly decade societal concept beauty change bodied idol extremely thin cultural motivation consider destructive result harm oneself example drug abuser motivate drug pleasure experience take drug removal withdrawal symptom recreational drug united states psychoactive substance narcotic sedative stimulant e.g. caffeine nicotine hallucinogen cannabis alcohol theory motivation explain continuous drug use opponent process theory theory explain drug take repeatedly body attempt counteract effect drug change physiology example body counteract repeat use alcohol depressant increase arousal problem reaction long drug result withdrawal symptom exactly opposite effect alcohol sensation anxiety jitteriness irritability

withdrawal symptom exactly opposite effect alcohol sensation anxiety jitteriness irritability withdrawal create mechanism create physical dependence drug opponent process theory explain tolerance decrease perceive drug effect time cultural demographic factor affect drug use young adult likely age group smoke decline smoking rate see group age smoking see commonly disadvantaged socioeconomic group globe smoking rate high eastern europe create visibility lead additional pressure desire smoke community behavioral science guide example expert researcher conduct meta analysis literature intrinsic extrinsic motivation examine follow intrinsic vs. extrinsic article multiple study appear complex need sure undergraduate university student  $n = 27$  recruit perform weekly filing task week university library participant randomly divide group group receive \$ 20 week group receive general education credit finish week group receive compensation participant complete survey design measure baseline engagement enjoyment task ask perform end week survey administer participant invite continue weekly task volunteer basis compensation offer result show figure

1 track iv compensation \$ enjoyment task 2nd dv 2nd survey + figure 1 enjoyment survey  
result participation group enjoy task group compare baseline continue volunteer study  
sample man identify high risk heart disease n = 128 recruit multifaceted intervention program  
require attend clinic week medication physical exercise counseling participant come medium  
low socioeconomic status ses household individual low ses group experience food insecurity  
participant ses group divide iv ses condition monetary compensation attendance grocery  
credit attendance compensation attendance compensation offer month period participant  
complete inventory design measure

baseline intrinsic motivation improve health item reason i participate course treatment  
prescribe participation treatment consistent life goal inventory administer month month  
result show figure 2 figure 2 motivation participation 12 month motivation high group  
participation exception no- compensation low ses adapt czaicki nl dow wh njau pf mccoys  
2018 incentive undermine intrinsic motivation increase intrinsic motivation incentive base  
intervention people live hiv tanzania plos 13(6 e0196616 result study suggest role intrinsic  
extrinsic factor motivation question ask fairly high level analysis different condition study  
answer need consider test result study identify variable read study task manageable see guide  
example chapter generally good approach read study study 1 difference group offer  
compensation extrinsic motivator result consistent conventional wisdom outside content  
knowledge extrinsic motivator introduce intrinsic motivation decrease compensation remove  
participation decline specifically datum group receive compensation substantial decline  
intrinsic motivation attendance compare no- compensation group additionally lack extrinsic  
motivator increase intrinsic motivation demonstrate volunteerism rate compensation group  
give result study 1 study 2 surprising base result figure study 2 medium ses low ses group  
receive compensation intrinsic motivation remain consistent study low ses group participation  
decline sharply non compensated group fortunately test day ask write essay explain result  
responsible come explanation answer choice explanation consistent scientific content study



analysis result conduct question like show real mcat moment consider know learn passage  
general prediction target kind information correct answer provide case look difference low  
medium ses group explain observe difference compensation group consider implication ses  
generally passage provide potential clue mention low ses group food insecurity give know  
maslow hierarchy need anticipate answer imply motivation obtain food important reduce risk  
heart sexual motivation area widely study 1948 alfred kinsey report finding sexual behavior  
interview people broad range sociocultural background kinsey hope identify sexual behavior  
people participate age begin william masters virginia johnson

publish important study sexual motivation study involve physiological measurement sexual  
arousal prove man woman experience similar physical response notable difference see  
gender base cultural influence learned behavior physiologically human motivate sexual  
behavior base secretion estrogen progesterone androgen strong correlation hormone  
concentration sexual desire biological factor sexual motivation smell certain odor show  
increase sexual desire activity pleasure interpretation pleasure key player sexual motivation  
highly influence culture study measure physiological arousal base watch sexually explicit video  
result show man woman experience level arousal woman report unaroused have feeling  
disgust base subjective interview study demonstrate cognition play role sexual motivation  
additionally culture society influence deem appropriate sexual behavior age deem appropriate  
cultural norm conditioning influence desire sexual interaction lack thereof mcat concept check  
5.1 assess understanding material question 1 theory list create factor motivation drive  
reduction theory 2 list maslow hierarchy need decrease priority 3 base opponent process  
theory clinical feature expect withdrawal cocaine use chapter 5.2 able describe element  
emotion psychological response behavioral response cognitive response recall seven  
universal facially express emotion compare contrast james lange cannon bard schachter  
singer theory emotion identify name function part limbic system emotion natural instinctive  
state mind derive circumstance mood relationship word emotion derive latin word motivation

element emotion element emotion physiological response behavioral response cognitive response feeling experience arousal stimulate autonomic nervous system physiological component include change heart rate breathing rate skin temperature blood pressure hard recognize change associate emotion everyday life change detect laboratory setting emotion fear aggression embarrassment associate pronounced physiological change behavioral component emotion include facial expression body language example smile friendly hand gesture subtle head tilt commonly recognize warm happy signal hand frown slumping shoulder look downward recognize sad downtrodden signal finally cognitive component emotion subjective interpretation feeling experience determination emotion evaluative process largely base memory past experience perception cause emotion

evaluative process largely base memory past experience perception cause emotion darwin argument emotion result evolution emotion correspond expression universal explain human evolve set facial muscle expression communicate emotion regardless society culture spark ongoing discussion relationship emotion culture psychologist sociologist paul ekman describe set basic emotion recognize society world identify emotion associate consistent facial expression culture ekman psychologist revise list recognize set consist seven universal facially express emotion include happiness sadness contempt surprise fear disgust anger emotion correspond distinctive facial expression explain table 5.1 depict table 5.1 seven universal emotion facial expression cue happiness smile wrinkle eye raise cheek frown inner eyebrow pull corner mouth pull upwards eye widen eyebrow pull curve jaw open eye widen eyebrow pull lip pull nose wrinkling and/or raising upper lip glare eyebrow pull lip press figure 5.5 seven universal emotion row happiness sadness contempt surprise second row fear disgust anger aamc list fear anger happiness surprise joy disgust sadness universal emotion give lack consensus scientific community mcat likely test topic conceptually specifically emotion experience universally argue affect greatly culture cultural dissimilarity emotion include vary reaction similar event difference emotional experience behavior exhibit response emotion

perception emotion society adaptive role emotion accordance darwin thought universal emotion evolutionary perspective state think feel base specialized functional program design problem encounter program functionally coordinate order produce cohesive response emotion think evolutionary adaptation situation encounter evolutionary history human specie guide sensory processing physiological response behavior different emotion think evolve different period history early develop primal emotion fear evolutionarily progressive emotion include social emotion guilt pride theories emotion early psychologist believe cognitive component emotion lead physiological component produce behavioral component word feeling anger start perception negative stimulus cause physiological change increase skin temperature result behavior yelling explanation assume feeling precede arousal precede action

william james founder functionalist theory view progression emotional element differently time carl lange develop theory emotion similar james explanation develop refer james lange theory emotion accord theory stimulus result physiological arousal lead secondary response emotion label james believe peripheral organ receive information respond response label emotion brain example car cut highway stimulus elevated heart rate blood pressure increase skin temperature dry mouth physiological response result cognitive labeling anger angry skin hot blood pressure high extension emotion process feedback peripheral organ theory predict individual mount sympathetic response like patient spinal cord injury decrease level emotion subsequent study prove claim false spinal cord injury subject continue level emotion injury walter cannon philip bard

develop scheme explain emotional component refer cannon bard theory emotion attempt test james lange theory cannon study expression emotion relationship feedback sympathetic nervous system cat afferent nerve sever hypothesize physiological arousal feeling emotion occur time sequence sever feedback alter emotion experience theory person respond action

experience emotion mentally physically bard student cannon explain expose stimulus sensory information receive send cortex sympathetic nervous system simultaneously thalamus cannon bard theory emotion depict figure 5.6 state conscious experience emotion physiological arousal occur simultaneously behavioral component emotion i.e. action follow snake feel afraid heart race let figure 5.6 cannon bard theory emotion visual stimulus pass thalamus rough information send amygdala fear sympathetic nervous system arousal action muscle contraction quickly follow visual cortex strengthen quell fear response identify critic james lange theory cite sever afferent nerve study support cannon bard theory weakness theory cannon bard theory fail explain vagus nerve cranial nerve function feedback system convey information peripheral organ central nervous system theory schachter singer theory emotion term cognitive arousal theory factor theory state factor physiological arousal cognitive label need experience emotion accord theory physiological arousal insufficient elicit emotional response feel emotion mind identify environmental stimulus cause physiological arousal excited heart race happy mcat

expect solid understanding difference emotional processing describe theory emotion good mentally sort theory response second response unique schachter singer theory aspect cognitive appraisal feel emotion consciously analyze environment relation nervous system arousal study phenomenon stanley schachter jerome singer give injection epinephrine placebo group subject informed ignorant misinformed manipulate external cue study have actor act happy angry observe epinephrine result increase physiological arousal discover environment cognitive processing affect emotion experience subject group misinformed ignorant experience high level emotion schachter singer explain result state subject experience physiological arousal explanation misleading explanation attribute arousal surround environment label happy angry base behavior actor word presence unexpected arousal plus environment encourage particular emotion sufficient create emotion subject contrarily informed group know expect physiological arousal drug attribute feeling effect

epinephrine emotion theory emotion discuss section summarize table 5.2 theory emotion nervous system arousal nervous system arousal nervous system arousal cognitive limbic system experience emotion complex process involve part brain notable circuit limbic system complex set structure reside cerebrum thalamus show figure 5.7 system amygdala thalamus hypothalamus hippocampus fornix septal nucleus part cerebral cortex play large role motivation emotion figure 5.7 limbic system specific area limbic system stimulate brain surgery patient describe sensation happiness contentment pleasure area report fear anxiety amygdala small round structure signal cortex stimulus relate attention emotion amygdala process environment detect external cue learn person surrounding order produce emotion region associate fear play role human emotion interpretation facial research

rat show amygdala damage rat long classically condition establish new fear similar effect see human damage region prevent fear conditioning measure autonomic nervous system response functional imaging thalamus function preliminary sensory processing station route information cortex appropriate area brain hypothalamus locate thalamus synthesize release variety neurotransmitter serve homeostatic function involve modulate emotion control neurotransmitter affect mood arousal hypothalamus largely dictate emotional state hippocampus temporal lobe primarily involve create long term memory function amygdala hypothalamus storage retrieval emotional memory key produce emotional response hippocampus aid create context stimulus lead emotional experience describe chapter 3 mcat behavioral sciences review memory system divide category explicit implicit emotion experience sensory system transmit information explicit memory system primarily control hippocampus medial temporal lobe implicit memory system control amygdala memory system formation retrieval emotional memory show figure 5.8 conscious explicit memory memory experience actual emotion remember happy high school graduation sad lose love explicit memory note episodic memory properly consider memory emotion store emotion unconscious implicit memory refer emotional memory storage actual feeling emotion

associate event experience similar event later emotion retrieve explicit memory emotion produce conscious memory experience implicit memory determine expression past emotion distinction identify look individual posttraumatic stress disorder ptsd explicit memory story event happen occur involve fact scenario traumatic forth implicit memory correspond sensation unease anxiety similar environment figure 5.8 formation retrieval emotional memory ability distinguish interpret facial expression primarily control temporal lobe input occipital lobe function lateralize right hemisphere active discern facial expression left gender difference woman demonstrate activation brain area man ability present weak child develop adulthood adult effective identify positive negative emotion prefrontal cortex anterior portion frontal lobe associate plan intricate cognitive function express personality make decision prefrontal cortex receive arousal input brainstem coordinate arousal cognitive state demonstrate left prefrontal cortex associate positive emotion right prefrontal cortex negative emotion

prefrontal cortex associate positive emotion right prefrontal cortex negative emotion dorsal prefrontal cortex associate attention cognition ventral prefrontal cortex

connect region brain responsible experience emotion specifically ventromedial prefrontal cortex show figure 5.9 think play substantial role decision making control emotional response amygdala figure 5.9 ventromedial prefrontal cortex ventromedial prefrontal cortex highlight blue notable study prefrontal cortex function phineas gage gage involve accident metal rod pierce brain destroy left frontal lobe gage memory speech motor skill unaffected personality dramatically alter post accident gage display irritable impatient behavior inhibit ability complete describe early autonomic nervous system relate emotion specific physiological reaction associate specific emotion skin temperature heart rate breathing rate blood pressure affect experience emotion decreased skin temperature detect subject experience fear increase skin temperature associate anger increased heart rate observe subject experience anger fear

decrease heart rate observe subject feel happiness heart rate variability factor determine emotion decreased heart rate variability associate stress frustration anger blood pulse volume increase anger stress decrease sadness relaxation skin conductivity directly correlate sympathetic arousal specific emotion identify skin response diastolic blood pressure increase great degree anger follow fear sadness happiness mcat concept check 5.2 assess understanding material question 1 element emotion provide brief description 2 seven universal emotion 3 compare contrast

james lange cannon bard schachter singer theory emotion 4 function limbic system list ventromedial prefrontal cortex chapter 5.3 able distinguish primary secondary appraisal stress recall stage general adaptation syndrome physiological change associate stage recognize common stressor effective technique management aspect life time day decision overcome challenge continue forward decision small require planning adaptation new circumstance behavior perception surrounding affect behavior mental state time negative manner response challenge event physical emotional cognitive behavioral define cognitive appraisal stress cognitive appraisal subjective evaluation situation induce stress process consist stage stage 1 primary appraisal initial evaluation environment associate threat appraisal identify irrelevant benign positive stressful primary appraisal reveal threat stage 2 appraisal begin secondary appraisal direct evaluate organism cope stress appraisal involve evaluation thing harm damage cause event threat potential future damage cause event challenge potential overcome possibly benefit event individual perceive have ability cope event experience stress general appraisal stress level personal individual different skill ability coping mechanism example spider incite fear stress result irrelevant appraisal situation require ongoing monitoring constant reappraisal perception follow mcat expect know stage stress appraisal primary secondary primary appraisal initial examination result identification stress irrelevant benign positive stressful identify threat secondary appraisal evaluation ability cope type stressor stressor biological element external condition event lead stress response severity

stressor range minimal irritating hassle like temporarily lose key catastrophic scenario impend natural disaster common stressor include environmental factor uncomfortable temperature loud sound daily event run late lose item unexpected occurrence workplace academic setting assignment hierarchical interaction social expectation demand place oneself society family chemical biological stressor diet alcohol drug virus allergy medication medical condition stressor classify cause distress cause eustress distress occur stressor perceive unpleasant e.g. threat eustress result positively perceive stressor e.g. challenge eustress include life event graduate college study achieve high score mcat getting marry buy house event

study achieve high score mcat getting marry buy house event largely positive event require individual change adapt lifestyle lead stress stress level measure life change unit system call social readjustment rating scale stressor psychological pressure control predictability frustration conflict form psychological stress pressure experience expectation demand place external source produce feeling urgency complete task perform action display particular behavior ability control surrounding typically reduce stress level inability control situation event increase stress study nursing home patient observe control daily environment display active positive social behavior predictability play role stress level example firefighter police officer predict daily scenario experience high level stress job frustration occur attain goal need prevent increase stress frustration stress external get raise internal disability interfere everyday life finally conflict stress arise need choice approach approach conflict refer need choose desirable avoidance avoidance conflict choice negative option approach avoidance conflict deal choice goal event outcome positive negative element instance job promotion mean money status come increase responsibility potential long working hour increased physiological response stressor subject stress body initially respond sympathetic nervous system fight flight response initiate increase heart rate decrease digestion available energy reserve react stressful event sequence physiological response develop hans selye call general adaptation syndrome consist distinct stage show figure 5.10 figure 5.10 stage stress response



alarm initial reaction stressor activation sympathetic nervous system shortly hypothalamus stimulate pituitary secrete adrenocorticotrophic hormone acth hormone stimulate adrenal gland produce cortisol maintain steady supply blood sugar need respond stressful event hypothalamus activate adrenal medulla secrete epinephrine norepinephrine activate sympathetic nervous system stage resistance continuous release hormone allow sympathetic nervous system remain engage fight stressor person experience exhaustion body long maintain elevated response sympathetic nervous system activity point individual susceptible illness medical condition ulcer high blood pressure organ system begin deteriorate effect include heart disease extreme case death result

begin deteriorate effect include heart disease extreme case death result positive negative effect stress show figure 5.11 figure 5.11 positive negative effect stress heighten risk adrenal secrete cortisol hormone slow recovery stress response high level cortisol thymus gland tissue prime immune increase heart rate vasoconstriction direct oxygen muscle high blood pressure heighten risk heighten risk infertility emotional behavioral response stress effect human body stress take psychological toll people unable reduce stress level emotional level elevated stress result individual feel irritable moody tense fearful helpless difficulty concentration memory negative behavior response stress include withdraw difficulty work school substance use aggression suicide additionally chronic stress lead mental health disorder anxiety depression coping stress management strategies cope stress fall group problem focus strategy involve work overcome stressor reach family friend social support confront issue head create follow plan problem solve action emotionally focused strategy center

change feeling stressor include take responsibility issue engage self control distance oneself issue engage wishful thinking positive reappraisal focus positive outcome instead stressor coping strategy adaptive reduce stress healthy way person feel stressed example reach love help support seek coping strategy coping strategy maladaptive include detrimental tactic turn

drug alcohol individual engage stress management reduce stress level exercise powerful stress management tool improve health enhance mood exercise release endorphin opioid neuropeptide act feel good neurotransmitter relaxation technique include meditation diaphragmatic breathing progressive muscle relaxation find reduce stress additionally study show engage spiritual practice help manage stress maladaptiveness key factor determine behavior consider disorder maladaptive behavior discuss detail chapter 7 mcat behavioral sciences review use coping stress management technique boost performance mood test day mcat concept check 5.3 assess understanding material question 1 key feature primary secondary cognitive appraisal stress 2 stage general adaptation syndrome physiological change evident 3 common stressor effective technique manage stress stress management technique ability strive goal desire internal external reason important aspect psychology behavior motivation mechanism meet need act end goal ultimately survive factor influence motivation include instinct arousal drive need result action obtain perceive reward fulfill need avoid perceive punishment emotion complex process result physiological cognitive behavioral element describe different fashion james lange cannon bard schachter singer theory emotion component nervous system play role experience emotion include seven universal emotion response body mind challenge define stress stress appraisal phase identify allow body respond stressor encounter physical mental response stress severe management coping mechanism commonly reduce level stress hopefully chapter leave motivated work goal excellent mcat score doctor deserve study mcat certainly introduce significant stress effective stress management technique solid foundation mcat content strategy turn test day eustress eye white coat important garment someday identity topic explore chapter review content test knowledge critical thinking skill complete

explore chapter review content test knowledge critical thinking skill complete test like passage set online resource motivation purpose drive force action motivation extrinsic base external circumstance intrinsic base internal drive perception primary factor influence emotion instinct

arousal drive instinct innate fix pattern behavior instinct theory motivation people perform certain behavior evolutionarily program instinct arousal theory people perform action maintain arousal state awake reactive stimulus optimal level yerkes dodson law show performance optimal medium level arousal drive internal state tension beget particular behavior focus goal primary drive related bodily process secondary drive stem learning include accomplishment emotion drive reduction theory state motivation arise desire eliminate drive create uncomfortable satisfying need motivate maslow hierarchy need prioritize need category physiological need high priority safety security love belonging self esteem self actualization low priority self determination theory emphasize role universal need autonomy competence relatedness incentive theory explain motivation desire pursue reward avoid punishment expectancy value theory state motivation task base individual expectation success success value opponent process theory explain motivation drug use drug use increase body counteract effect lead tolerance uncomfortable withdrawal symptom sexual motivation relate hormone cultural social emotion state mind feeling subjectively experience base circumstance mood relationship component emotion cognitive subjective behavioral facial expression body language physiological change autonomic nervous system seven universal emotion happiness sadness contempt surprise fear disgust anger multiple theory emotion base interaction component emotion james lange theory nervous system arousal lead cannon bard theory arousal nervous system experience emotion occur simultaneously schachter singer theory nervous system arousal combine cognition create experience emotion limbic system primary nervous system component involve experience emotion amygdala involve attention fear help interpret facial expression intrinsic memory system thalamus sensory processing station hypothalamus release neurotransmitter affect mood hippocampus create long term explicit episodic memory prefrontal cortex involve plan express personality make decision ventral prefrontal

prefrontal cortex involve plan express personality make decision ventral prefrontal cortex

critical experience emotion ventromedial prefrontal cortex specifically involve control emotional response amygdala decision making physiological cognitive response challenge life change define stress stress appraisal stage primary appraisal classify potential stressor irrelevant benign positive stressful secondary appraisal direct evaluate organism cope stress base harm threat challenge stressor lead stress response include environment daily event workplace academic setting social expectation chemical biological stressor psychological stressor include pressure control predictability frustration conflict stressor lead distress eustress stage general adaptation syndrome alarm resistance exhaustion stress management include psychological behavioral spiritual answers

concept check factor motivation instinct innate fixed pattern behavior response maintain constant level arousal psychological physiological state awake reactive stimulus drive internal state tension discomfort relieve particular action need factor necessary physiological function 2 physiological need safety security love belonging 3 cocaine stimulant cause euphoria restlessness increase heart rate increase temperature anxiety accord opponent process theory cocaine withdrawal opposite depressed mood fatigue decrease heart rate decrease temperature apathy 1 element emotion follow physiological response autonomic nervous system heart rate breathing rate skin temperature blood pressure behavioral response facial expression body language cognitive response subjective interpretation memory past experience perception cause emotion 2 seven universal emotion happiness sadness contempt surprise fear disgust anger skin hot blood pressure high stimulus lead feeling send cortex action secondary response stimulus snake afraid heart arousal labeling base excited heart race race let explain 4 amygdala involve attention emotion specifically fear help interpret facial expression

intrinsic memory system emotional memory thalamus sensory processing station hypothalamus release neurotransmitter affect mood arousal hippocampus create long term

explicit memory episodic memory ventromedial prefrontal cortex involve decision making control emotional response 1 primary appraisal categorize stressor irrelevant benign positive stressful secondary appraisal evaluation ability organism cope stress activation sympathetic nervous system release acth cortisol stimulation adrenal medulla secrete epinephrine continuous release hormone activate sympathetic nervous system long maintain elevated sympathetic nervous system activity susceptible illness medical condition organ system 3 common stressor include environmental physical discomfort daily event workplace academic setting social expectation chemical biological stressor effective stress management technique include exercise relaxation technique meditation diaphragmatic breathing progressive muscle relaxation spiritual practice science mastery assessment competitive nature motivation consider extrinsic motivation extrinsic motivation base external condition include perceive reward fear punishment case reward beat ibling suggestion uncomfortable internal state tension aspect drive eliminate c d yerkes dodson law state optimal level arousal necessary perform level arousal high poor performance esult case student perform recital arousal level high result nervousness anxiety result poor performance drive reduction theory theory act eliminate uncomfortable internal state know drive body push quilibrium homeostasis seven universal emotion happiness sadness contempt surprise fear disgust anger component emotion physiological change utonomic nervous system cognitive subjective interpretation motion behavioral facial expression body language response experience physiological reaction stimulus label esponse emotion line james lange theory emotion tatement see bear stimulus increase heart rate breathing rate physiological reaction identify fear accord darwin theory evolution specie instinct help hem survive instinct theory motivation state people motivate act base instinct program exhibit cannon bard theory emotion base premise conscious eeling physiological component emotion experience exactly time theory combination lead action ommonly confuse schachter singer theory nervous ystem arousal occur label base context provide amygdala prefrontal cortex thalamus play role experience emotion

context provide amygdala prefrontal cortex thalamus play role experience emotion basal ganglion involve smooth movement primarily responsible experience emotion left frontal lobe associate positive feeling correspond joy and happiness right frontal lobe associate negative feelings sadness disgust but secondary appraisal stress stage ability organism to cope stressor evaluate base harm threat challenge stressor correlate intensity primary appraisal simply initial determination negative association intensity positive stressor create eustress work relax consider eustress hassle frustration but type distress c negative stressor approach approach conflict result good outcome choose choice result negative outcome example choose dessert avoidance escape conflict d recognize form conflict term relate type initial reaction stress activation sympathetic nervous system alarm stage stress response progressive muscle relaxation relaxation technique demonstrate help reduce stress manner beneficial body psyche method describe include avoidance stressor d serve increase stress merely change source stress consult online resource additional practice behavioral science chapter 1 biology behavior behavioral science chapter 3 learning memory behavioral science chapter 7 biology chapter 4 nervous system biology chapter 5 endocrine system biology chapter 10 identity personality science mastery assessment pre med know feeling content know mcats know important high yield badge book help identify important topic science mastery assessment tool mcats prep arsenal quiz take online resource guidance help ensure spend appropriate time chapter base personal strength weakness worry skip mean study later prep complete length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read

spend 20 minute review question quiz miss include quick read corresponding subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept summary end chapter 1 follow consider person self concept a. past self b. ought self c. future self 2 gender identity androgyny define a. low femininity low masculinity b. high femininity low masculinity c. low femininity high masculinity d. high femininity high masculinity 3 high school student struggle consistently math feel studying help follow likely short term result respect student ability math a. low self esteem b. low self efficacy c. learned helplessness d. external locus control 4 district attorney internal locus control win important court trial follow well represent lawyer attribution a. win great argument experience b. win jury beginning believe c. win defense adequately present d. win deserve successful 5 person keep extremely tidy desk

nervous thing disorganized place following stage psychodynamic therapist person fixated a. oral stage b. anal stage c. phallic stage d. genital stage 6 accord erikson stage psychosocial development follow important recent college graduate a. figure identity important personally b. feel like contribute member society c. form intimate relationship significant d. find feeling accomplishment life 7 matt cati discuss reason avoid drive speed limit matt cite want avoid traffic fine cati say speeding dangerous accident people hurt accord kohlberg follow describe phase moral reasoning demonstrate matt cati respectively a. preconventional conventional b. preconventional postconventional c. conventional preconventional d. postconventional conventional 8 child origami swan able observe assist adult scenario describe idea follow theorist a. albert bandura b. alfred adler c. b. f. skinner d. lev vygotsky 9 follow conclusion research role taking observational learning a. young child model action perform parent b. celebrity athlete adolescent important role model c. child role identity gender typical likely role later life d. female child likely model behavior female 10 person feel extremely guilty have extramarital affair accord psychodynamic perspective follow responsible a. d b. ego c.

superego d. libido 11 woman advance rank company eventually ceo following jungian archetype reflect woman drive successful company a. persona b. anima c. animus d. shadow 12 researcher discover polymorphism drd2 gene associate thrill seeking behavior individual certain form gene likely extreme athlete dangerous hobby follow theory support i. social cognitive perspective ii behavioral perspective iii biological perspective a. b. iii c. iii d. ii iii 13 person work emt identify bit rebel highly sociable able calm emergency person likely score low range following trait 14 stockholm syndrome phenomenon people kidnap hold hostage begin identify feel affection captor psychoanalyst explain stockholm syndrome cite following defense mechanism a. reaction formation 15

having struggle year economic recession young professional begin buy lottery ticket friday win lottery individual reason finally life want stress away live comfortably thought win lottery representative a. cardinal trait b. fictional finalism c. functional autonomy

d. unconditional positive regard identity personality chapter 6.1 self concept identity type identity 6.2 formation identity freud psychosexual development erikson psychosocial development kohlberg moral reasoning vygotsky cultural biosocial development influence identity psychoanalytic perspective humanistic perspective type trait perspective theory personality content chapter relevant 7 question behavioral science mcat chapter cover material follow aamc content 7a individual influence behavior social psychologist concern social life influence way perceive specifically researcher focus influence people view social role group membership perception like people probably answer question different way list physical characteristic family relationship emotional tendency skill talent fact introductory psychology course include exercise student ask list answer question complete list give student glimpse identity personality idea form core study psychology central goal explain thought behavior chapter discuss review key theorist approach answer question 6.1 self concept identity chapter 6.1 able distinguish self concept identity recall factor contribute different type



identity gender ethnicity predict person explain event base locus control look mirror study  
mcats chance descriptor come mind include student intelligent future doctor awareness  
distinct internal list answer question form self concept way define fall classification self  
schema self give label carry set quality example athlete self schema usually carry quality youth  
physical fitness dress act certain way quality change depend culture socioeconomic status  
personal belief idea self concept go self schemata include appraisal term self concept identity  
interchangeably psychologist generally use refer different closely relate idea social scientist  
define identity individual component self concept relate group belong self concept multiple  
identity define behave give context religious affiliation sexual orientation personal  
relationship membership social group identity sum create self concept fact individual identity  
need compatible person interact friend interact coworker family people answer particular  
identity different social situation type identity different type identity mcats historical social  
reason tend focus form identity gender identity describe people

social reason tend focus form identity gender identity describe people appraisal scale  
masculinity femininity concept long think extreme single continuum theorist reason separate  
dimension individual achieve high score scale masculinity femininity androgyny define state  
simultaneously masculine feminine achieve low score scale refer undifferentiated initial sense  
gender identity usually establish age morph change time theory theory gender schema hold  
key component gender identity transmit cultural societal mean individual transgender gender  
identity match sex assign birth heavily stigmatize group american culture fact publication  
dsm-5 2013 gender identity disorder formally remove diagnosis dsm-5 include diagnosis  
gender dysphoria give individual gender identity cause significant psychological stress mind  
gender identity necessarily tie biological sex sexual orientation culture concept see closely  
relate typical culture view gender strictly binary concept culture recognize gender example  
people samoa refer androgynous phenotypically male individual fa'afafine samoans fa'afafine  
see important social caste accept equal case gender culture ethnic national identity ethnic

identity refer identity associate membership particular racial ethnic group member give ethnic group share common ancestry cultural heritage language social psychologist study way ethnic identity influence perspective 1947 study kenneth mamie clark explore ethnic self concept child ethnically white black doll preference task experimenter show child black doll white doll ask child series question child feel doll majority child white black prefer white doll study important highlight negative effect racism underrepresented group status self concept black child time subsequent research improved methodology example randomize ethnicity experimenter show child black hold positive view ethnicity represent societal change large ethnicity largely identity bear nationality base political border national identity result share history medium cuisine national symbol country flag nationality need tie ethnicity legal citizenship symbol play important role ethnic national identity symbol jewish ethnicity show figure 6.1a symbol american nationality show figure 6.1b figure 6.1 ethnic national symbol jewish ethnicity b american

6.1b figure 6.1 ethnic national symbol jewish ethnicity b american nationality type identity course category evaluate identity compare term age class religious affiliation sexual orientation aspect identity explore part mcat behavioral sciences review important know factor determine identity enact particular situation believe identity organize accord hierarchy salience let situation dictate identity hold importance give moment instance male female college student same- gender group likely list gender self description student mixed gender group furthermore researcher find salient identity conform role expectation identity salience determine number factor include work invest identity reward gratification associate identity self esteem associate identity individual self concept play important role way evaluate feel self discrepancy theory maintain self perceive difference self lead negative feeling self concept make actual self way currently ideal self person like ought self representation way think generally close self high self esteem self worth remember esteem maslow hierarchy need 4 priority model discuss chapter 5 mcat behavioral sciences review low self esteem necessarily

view worthless far critical result criticism poorly typically believe people accept successful research show likely use drug pessimistic face frustration counterpart high self esteem self esteem measure feel self- efficacy belief ability succeed self efficacy vary activity individual think situation hold belief able effective conversely feel powerless course motivated pursue task self efficacy high trouble high overconfidence lead task ready lead frustration humiliation personal injury hand self efficacy depress individual develop perceive lack control outcome situation phenomenon call learned helplessness learned helplessness find strongly relate clinical depression locus control core self evaluation closely relate self- concept locus control refer way characterize influence life people internal locus control view control fate external locus control feel event life cause luck outside influence example runner lose race attribute cause loss internally train hard externally shoe fit track wet locus control cognitive dissonance integral

externally shoe fit track wet locus control cognitive dissonance integral attribution theory order preserve self esteem success direct result effort failure result uncontrollable outside influence attribution theory discuss chapter 10 mcat behavioral sciences review idea work hand hand influence way feel happy high self esteem view effective people feel control destiny live expectation like effective mcat student review length exam internal locus control prepare well practice test external locus control prevent student actually gain practice oh stupid question mcat concept check 6.1 assess understanding material question 1 difference self concept identity 2 list factor contribute person ethnic identity factor different determine national identity 3 high school student fail history test student internal locus control interpret event student external locus control 6.2 formation identity chapter 6.2 able identify major phase kohlberg theory moral development central tenet explain distinguish theory identity erikson freud vygotsky kohlberg

psychologists generally agree bear self concept identity place fully develop young child

identity largely define relationship caregiver adolescence begin develop unique individual decide want theorist propose stage develop vary scope respect aspect identity describe time span thing common mcat love test mastery theory freud psychosexual development sigmund freud pioneer chart personality emotional growth freud human psychology human sexuality inextricably link fact freud assertion far lie dormant puberty libido sex drive present birth freud believe libidinal energy drive reduce libidinal tension underlie dynamic force account human psychological revolutionary time freud theory largely discredit provide interesting window history personality theory expect mcat test idea historical context usually preface accord freud theory psychosexual development freud hypothesize distinct stage psychosexual development summarize table 6.1 end section stage child face conflict societal demand desire reduce libidinal tension associate different erogenous zone body stage differ manner libidinal energy manifest way libidinal drive meet fixation occur child overindulge overly frustrate stage development response anxiety cause fixation child form personality pattern base particular stage persist adulthood functional mental disorder know neurosis freud stage psychosexual development base principle drive reduction theory discuss chapter 5 mcat behavioral sciences review libidinal energy create internal tension aim reduce table 6.1 freud stages psychosexual development libidinal energy center mouth fixation lead excessive toilet training occur time fixation lead excessive orderliness messiness oedipal electra conflict resolve stage latency libido largely sublimate stage begin puberty theory previous stage successfully resolve person enter heterosexual relationship freud stage psychosocial development base principle drive reduction theory discuss chapter 5 mcat behavioral sciences review libidinal energy create internal tension aim reduce stage oral stage span 0

1 year age stage gratification obtain primarily put object mouth bite suck libidinal energy center mouth adult orally fixate expect exhibit excessive anal stage 1 3 year libido center anus gratification gain elimination retention waste material toilet training occur stage fixation stage lead excessive orderliness anal- retentiveness sloppiness adult phallic stage know oedipal

stage freud stage psychosexual development generally child age 3 5 year developmental stage stage center resolution oedipal conflict male child analogous electra conflict female child freud view male child envy father intimate relationship mother fear castration father hand wish eliminate father possess mother child feel guilty wish successfully resolve conflict deal guilty feeling identify father establish sexual identity internalize moral value child large extent de- eroticize sublimate libidinal energy express collect object focus schoolwork freud elaborate electra conflict theorize similar desire female castration fear instead theorize penis envy female child expect exhibit stereotypically female behavior morally developed theory libido sublimate child enter latency stage last puberty reach freud final stage genital stage begin puberty last adulthood accord freud prior development proceed correctly person enter healthy heterosexual relationship point freud claim sexual trauma childhood resolve behavior homosexuality asexuality fetishism result erikson psychosocial development erik erikson theory psychosocial development theorize personality development drive successful resolution series social emotional conflict example conflict trust vs. mistrust occur year life newborn human helpless unsure environment newborn depend caregiver support psychosocial conflict newborn face trust caregiver reliably provide support caregiver reliably care newborn newborn learn trust social skill different circumstance newborn fail learn trust accord erikson theory individual stage psychosocial development learn trust later life example illustrate key feature erikson theory conflict erikson describe arise individual lack critical social emotional skill conflict represent opportunity learn new social emotional skill accord erikson mechanism psychosocial development second conflict positive negative resolution example newborn learn mistrustful

development second conflict positive negative resolution example newborn learn mistrustful outcome represent resolution trust vs. mistrust conflict outcome negative outcome erikson view represent failure develop psychosocial development mean resolve conflict obtain positive resolution key idea erikson theory individual fail obtain positive resolution stage advance later

stage later life learn skill fail learn developmental conflict second conflict autonomy vs. shame  
doubt 1 3 year child begin explore surrounding develop interest favorable outcome feel able  
exert control world exercise choice self restraint child overly control criticize unfavorable  
outcome sense doubt persistent external locus control conflict confront initiative vs. guilt 3

6 year child learn basic cause effect principle physics start finish task purpose favorable  
outcome include sense purpose ability initiate activity ability enjoy accomplishment guilt win  
child overcome fear punishment unduly restrict overcompensate show conflict industry vs.  
inferiority 6 12 year pre- adolescent aware individual resolve favorably child feel competent  
able exercise ability intelligence world able affect world way desire unfavorable resolution  
result sense inadequacy sense inability act competent manner low self esteem adolescence 12  
20 year individual experience identity vs. role confusion conflict adolescent explore  
independence determine purpose society stage individual form single identity unsure place  
society favorable outcome fidelity ability oneself unique integrate person sustained loyalty  
unfavorable outcome confusion identity amorphous personality shift day day main crisis  
young adulthood 20 40 year intimacy vs. isolation people focus create long last bond favorable  
outcome love ability intimate relationship ability commit oneself person goal crisis favorably  
resolve avoidance commitment alienation distancing oneself ideal isolated individual  
withdrawn capable superficial relationship conflict identity vs. role confusion positive effect  
teenager identify interest gravitate friend share interest create sense want hand conflict lead  
formation clique bullying significant peer pressure increase online person bullying adolescent  
lead number program ease crisis stopbullying.gov get well campaign conflict middle age 40 65  
year generativity vs. stagnation focus advance present future society successful resolution  
conflict result individual capable productive caring contribute member society crisis overcome  
acquire sense stagnation self- indulgent bored self centered little care finally old age 65 year  
bring crisis integrity vs. despair focus tend reflective contemplative favorably resolve wisdom  
erikson define detach concern life assurance meaning life dignity acceptance fact life

worthwhile readiness face death resolve favorably feeling bitterness life feeling life worthless  
time fear impending death table 6.2 erikson stage psychosocial development erikson stage  
crisis trust vs. mistrust 0

1 year trust world autonomy vs. shame 1 3 year okay initiative vs. guilt 3 6 year okay act  
industry vs. inferiority 6 12 year world people identity vs. role 12 20 intimacy vs. isolation 20 40  
love 40 65 life count integrity vs. despair 65 year okay kohlberg moral reasoning

lawrence kohlberg theory personality development focus urge resolve conflict development  
moral thinking reason theory call kohlberg theory moral reasoning kohlberg reason cognitive  
ability grow able think world complex nuanced way directly affect way resolve moral dilemma  
perceive notion right wrong kohlberg observation moral reasoning base response subject  
hypothetical moral dilemma cite example heinz dilemma scenario man name heinz wife die  
rare disease druggist town invent drug cure disease cost \$ 200 produce sell \$ 2000 heinz  
afford price go druggist ask lower price request druggist refuse desperate save wife heinz  
break druggist office night steal medication kohlberg present dilemma volunteer ask explain  
character story act morally kohlberg interested participant appraisal action right wrong  
believe answer justify instead far interested reasoning appraisal base participant response  
kohlberg organize moral reasoning distinct stage range concrete abstract organize stage  
phase consist stage kohlberg stage summarize table 6.3 table 6.3 kohlberg stages moral  
development 4 law order adulthood 5 social contract 6 universal human preconventional  
morality phase typical preadolescent thinking place emphasis consequence moral choice  
stage obedience concern avoid punishment steal drug jail stage self interest gain reward need  
save wife want spend life stage call instrumental relativist stage base concept reciprocity  
sharing scratch scratch second phase conventional morality begin develop early adolescence  
individual begin term relationship phase base understand accept social rule stage conformity  
place emphasis nice person orientation individual seek approval steal drug steal wrong stage

law order maintain social order high regard steal thing afford people produce item able  
continue conventional morality correspond average adult moral reasoning preconventional  
expect child postconventional expect small subset adult advanced moral reasoning skill  
average population phase postconventional morality describe level reasoning kohlberg claim  
capable base social more conflict law stage social contract view moral rule convention design  
ensure great good reasoning focus individual right right live

design ensure great good reasoning focus individual right right live business right profit  
product finally stage universal human ethic reason decision consideration abstract principle  
wrong person hold life ransom kohlberg view stage progression stage adopt abandon  
individual progress word begin stage progress vary degree kohlberg critic argue  
postconventional morality describe view prevalent individualistic society bias collectivist  
culture similarly kohlberg research perform male subject cloud difference reasoning pattern  
exist gender vygotsky cultural biosocial development like kohlberg lev vygotsky work focus  
understand cognitive development vygotsky engine drive cognitive development child  
internalization aspect culture rule symbol language child internalize interpersonal cultural rule  
cognitive activity develop accordingly kohlberg vygotsky theory cognitive development heavily  
influence piaget work area discuss chapter 4

mcats behavioral sciences review vygotsky know concept zone proximal development refer skill  
ability fully develop process development gain skill successfully require help knowledgeable  
typically adult example child struggle ride bicycle help guidance adult successful vygotsky skill  
currently child zone proximal development influence identity personality form vacuum  
product product internal growth development albert bandura psychologist bobo doll  
experiment describe chapter 3 mcats behavioral sciences review claim observational learning  
contribute greatly future young child observe encode behavior later imitate behavior child  
likely imitate behavior perform like example young child reliably mimic behavior perform



gender sibling child model caregiver child grow form relationship role model emerge sibling teacher medium play important role model behavior develop child adolescence peer important role model child grow able identity different experiment identity take role child play house school role taking good practice later life child begin understand perspective role eventually child able perceive imagine outside ability sense mind work example understand friend interpret story tell refer theory mind develop theory mind begin recognize react think aware judgment outside world react judgment reaction perceive varied maintain modify downplay accentuate different aspect personality understanding rely perceive reflection base word action appropriately call look glass self related concept reference group group use standard evaluate self concept depend compare example 2012 average annual salary physician united states \$ 200,000 compare national median household salary approximately \$ 50,000 individual 11 percent consider rich physician live high socioeconomic area regularly interact physician response bias comparison mcat concept check 6.2 assess understanding material question 1 follow theorist evaluate individual determine person fail complete theorist developmental stage likely outcome person 2 briefly describe major phase kohlberg theory moral development 3 vygotsky concept zone proximal development apply standardized test preparation chapter 6.3 able describe personality define psychoanalytic humanistic type behaviorist social cognitive biological trait perspective list

psychoanalytic humanistic type behaviorist social cognitive biological trait perspective list trait describe eysenck pen theory list big personality trait recall role d ego superego psychoanalytic perspective personality see identity way define personality similar describe set thought feeling trait behavior characteristic individual time location way identity describe personality describe act react world different theory personality different theorist category espouse conflict view attempt describe behavior like theory development discuss early chapter idea discredit test mcat historical perspective categorize theory personality area psychoanalytic psychodynamic humanistic phenomenological type trait behaviorist great difference division personality

define abnormal personality explain psychoanalytic perspective psychoanalytic psychodynamic theory personality contain widely varying perspective behavior common assumption unconscious internal state motivate overt action individual determine personality noteworthy supporter psychoanalytic theory freud psychoanalytic perspective like freudian jungian theory psychology back modern understanding personality fall use professional circle remain prevalent

popular culture psychoanalytic perspective useful contrast theory personality include testable material lay freud contribution study personality structural model involve major entity d ego superego illustrate figure 6.2 freud topographic model mind person

hungry food unavailable wish fulfillment fantasize daydream food help relieve tension create d consist basic primal inborn urge survive reproduce function accord pleasure principle aim achieve immediate gratification relieve pen tension primary process d response frustration base pleasure principle obtain satisfaction later mental imagery daydreaming fantasy fulfill need satisfaction term wish mental image effectively reduce tension permanent basis ego come play ego operate accord reality principle take account objective reality guide inhibit activity d d pleasure principle guidance refer secondary process aim reality principle postpone pleasure principle satisfaction actually obtain emphasize ego suspend working primary process meet demand objective reality mutual ego reality promote growth perception memory problem solving thinking reality testing ego understand organizer mind receive power fully independent d. stick traffic d desire honk loudly car pull shoulder highway drive recklessly past congestion ego know unwise advise breathe deeply change radio station calming instead ego responsible moderate desire superego d desire basic need superego refine focus ideal self superego personality perfectionist judge action respond pride accomplishment guilt failure superego divide subsystem reflection moral teach child caregiver conscience collection improper action child punish ego ideal consist proper action child

reward ultimately system right wrong substitute caregiver reward punishment freud state  
access d ego superego fall main category thought conscious access thought currently aware  
preconscious thought repress unconscious note term subconscious erroneously refer freud  
unconscious mind freud postulate behavior influence instinct freud instinct innate  
psychological representation biological need instinct propel aspect freud dynamic theory  
personality fall type life death instinct life instinct refer eros promote individual quest survival  
thirst hunger sexual need death instinct refer thanatos represent unconscious wish death  
destruction thanatos propose freud response observation victim trauma reenact focus  
traumatic experience ego recourse relieve anxiety cause clash d superego defense mechanism  
defense mechanism common characteristic deny falsify distort reality

defense mechanism defense mechanism common characteristic deny falsify distort reality  
second operate unconsciously main defense mechanism repression suppression regression  
reaction formation projection rationalization displacement sublimation repression ego way  
force undesired thought urge unconscious underlie defense mechanism aim disguise  
threatening impulse find way unconscious repression unconscious forgetting suppression  
deliberate conscious form forgetting repression unconscious forgetting occur traumatic event  
suppression conscious form forgetting go think right regression reversion early  
developmental state face stress old child return early behavior thumb sucking throw temper  
tantrum cling mother reaction formation occur individual suppress urge unconsciously  
convert urge exact opposite example person pine inaccessible celebrity outwardly express  
hatred celebrity way reduce stress cause unrequited feeling projection defense mechanism  
individual attribute undesired feeling hate parent example turn parent hate projection  
important personality analysis test use projection gain insight client mind common  
psychoanalytic therapy example rorschach inkblot test show figure 6.3 rely assumption client  
project unconscious feeling shape figure 6.3 card 10 rorschach inkblot test similarly thematic  
apperception test consist series picture present client ask story story presumably elucidate

client unconscious thought rationalization justification behavior manner acceptable self society driver engage reckless feat cannonball run cross country race los angeles new york justify dangerous pursuit say complete control plenty dangerous driver road difference displacement describe transference undesired urge person object angry supervisor work remain quiet snap family member home finally sublimation transformation unacceptable urge socially acceptable behavior freud pen sexual urge sublimate drive business success artistic creativity description commonly test defense mechanism example provide table 6.4 table 6.4 commonly test defense mechanism remove idea person survive month concentration camp recall life time idea feeling terminally ill cancer patient put aside feeling anxiety enjoy return early stage development person speak significant baby talk relay bad news impulse transform opposite coworker fight time actually attracted attribution wish desire thought emotion

coworker fight time actually attracted attribution wish desire thought emotion person commit adultery convince spouse cheat despite lack evidence rationalization justification attitude belief behavior murderer claim kill wrong particular victim change target emotion feeling remain send room punishment child begin punch kick pillow channel unacceptable impulse socially acceptable boss attract employee employee mentor advisor later psychoanalytic theory give emphasis interpersonal sociological cultural influence maintain link psychoanalytic tradition carl jung prefer think libido psychic energy general psychic energy root sexuality jung identify ego conscious mind divide unconscious part personal unconscious similar freud notion unconscious collective unconscious collective unconscious powerful system share human consider residue experience early ancestor building block image common experience have caregiver child image invariably emotional element refer archetype jung theory example archetypal image figure 6.4 god devil figure 6.4 jungian archetype god devil archetype underlie form concept rise archetypal image differ somewhat important jungian archetype persona liken mask wear public personality present world like identity jung describe persona adaptive social interaction emphasize quality improve social standing suppress desirable

quality anima feminine animus masculine describe gender- inappropriate quality word  
feminine behavior male masculine behavior female example jung theory anima suppress  
female quality male explain emotional behavior describe jung man inner woman animus  
analogous male quality female explain power seek behavior woman inner man shadow  
archetype responsible appearance unpleasant socially reprehensible thought feeling action  
experience unconscious mind important jungian archetype persona aspect personality  
present world anima man inner woman animus woman inner man shadow unpleasant socially  
reprehensible thought feeling action experience unconscious mind self jung point intersection  
collective unconscious personal unconscious conscious mind self strive unity jung symbolize  
self mandala sanskrit circle show figure 6.5 jung see mandala symbol universe buddhism  
hinduism mythic expression self reconciler opposite promoter harmony jung

develop word association testing assess unconscious element influence conscious mind self  
word association testing patient respond single word word come mind jung believe patient  
response combination evaluate mood speed response reveal element unconscious figure 6.5  
tibetan mandala jung see self mandala promoter unity balance harmony conscious mind  
personal unconscious collective unconscious jung describe dichotomy personality  
extraversion e orientation external world vs. introversion orientation inner personal world  
sensing s obtain objective information world vs. intuiting n work information abstractly  
thinking t logic reason vs. feeling f value system personal belief individual side dichotomy

present degree tend dominate jung work lay groundwork creation myers briggs type  
inventory mbti classic personality test jung dichotomy fourth judge j prefer orderliness vs.  
perceive p prefer spontaneity)—is label specific personality type show figure 6.6 figure 6.6  
myers briggs type inventory personality types psychological movement psychoanalysis gain  
following theorist learn disagree original tenet opposition freud key idea later psychoanalyst  
emphasize social sexual motivation behavior jung count alfred adler theory focus immediate

social imperative family society effect adler originator concept inferiority complex individual sense incompleteness imperfection inferiority physically socially accord adler strive superiority drive personality striving enhance personality orient benefit society yield disorder selfish notion creative self style life important adler theory creative self force individual shape uniqueness establish personality style life represent manifestation creative self describe person unique way achieve superiority family environment crucial mold person style life important concept adler theory personality fictional finalism notion individual motivate expectation future past experience accord adler human goal base subjective fictional estimate life value objective datum past fictional finalism sum phrase life perfect notice difference freud jung adler freud major assumption behavior motivate inborn instinct jung principal axiom person conduct govern inborn archetype adler assume people primarily motivate strive karen horney dissent student freud likewise argue personality result interpersonal relationship adamantly disagree freud assumption woman concept penis envy horney postulate individual neurotic personality govern neurotic need need direct make life interaction bearable example neurotic need need affection approval need exploit need self sufficiency independence healthy people need degree horney emphasize need problematic fit criterion disproportionate intensity indiscriminate application partially disregard reality tendency provoke intense anxiety instance neurotic need self sufficiency independence great extreme avoid obligate way central focus person life neurotic need healthy horney primary concept basic anxiety base premise child early perception self important stem relationship caregiver inadequate caregiving cause

early perception self important stem relationship caregiver inadequate caregiving cause vulnerability helplessness horney term basic anxiety neglect rejection cause anger know basic hostility overcome basic anxiety basic hostility attain degree security child use strategy relationship move people obtain goodwill people provide security move people fight obtain upper hand move away withdraw people strategy general heading neurotic need fall healthy

people use strategy depend situation highly threatened child use strategy rigidly exclusively  
carry strategy adulthood object relation theory fall realm psychodynamic theory personality  
context object refer representation caregiver base subjective experience early infancy object  
persist adulthood impact interaction include social bond

create prediction behavior humanistic perspective direct contrast psychoanalyst focus sick  
individual troubling urge humanistic phenomenological theorist focus value individual person  
center approach describe way healthy people strive self realization humanism associate  
gestalt therapy practitioner tend holistic view self see individual complete person reduce  
person individual behavior drive humanist personality result conscious feeling attempt attain  
need goal kurt lewin force field theory put little stock constraint personality fix trait habit  
structure d ego superego lewin focus little individual past future focus instead situation  
present lewin define field current state mind simply sum force influence individual time focus  
humanistic psychology explore individual reach self realization force divide large group assist  
attainment goal block path abraham maslow hierarchy need discuss chapter 5

mcats behavioral sciences review humanist study life individual ludwig van beethoven albert  
einstein eleanor roosevelt feel self actualizer live rich productive life identify characteristic  
people common include nonhostile sense humor originality creativity spontaneity need  
privacy accord maslow self-actualize people likely people self actualize call peak experience  
profound deeply moving experience person life important lasting effect george kelly model  
theorize human nature set aside traditional concept motivation unconscious emotion  
reinforcement description personal construct psychology kelly think individual scientist person  
devise test prediction behavior significant people individual life individual construct scheme  
anticipation base knowledge perception relationship people anxious person victim inner  
conflict pen energy psychodynamic theory have difficulty construct understand variable  
environment accord kelly psychotherapy process insight people acquire new construct allow

successfully predict troublesome event individual able integrate new construct exist one carl rogers know psychotherapy technique know client centered person centered nondirective therapy rogers believe people freedom control behavior slave unconscious psychoanalyst suggest subject faulty learning behaviorist provide solution diagnosis person centered therapist help client reflect problem choice generate solution positive action determine destiny rogers originator concept real ideal self discuss early chapter therapeutic technique aim help client reconcile difference self reduce stress induce incongruence rogers pioneer concept unconditional positive regard therapeutic technique therapist accept client completely express empathy order promote positive therapeutic environment type trait perspectives type trait theorist bear dissatisfaction psychoanalysis type theorist attempt create taxonomy personality type trait theorist prefer describe individual personality sum person characteristic behavior purpose consider early attempt personality type generally discredit today ancient greeks example devise personality type base humor body fluid imbalance lead personality disorder show figure 6.7 figure 6.7 humor humor correlate element imbalance lead different personality blood sanguine impulsive charismatic bile choleric aggressive dominant black bile melancholic depressive cautious phlegm phlegmatic relaxed early 20th century

william sheldon propose personality type base body type call somatotype sheldon presume short stocky people jolly tall people high strung aloof people strong adjust know type theory divide personality types b. individual type personality characterize behavior tend competitive compulsive describe type b generally lay relaxed surprisingly people type personality prone heart disease type b personality evidence suggest people type personality high myers briggs type inventory describe early chapter stand know example type theory trait theorist instead use cluster behavior describe individual hans sybil eysenck factor analysis group behavior typically occur assign label group group behavior call trait example people reserved outspoken group tend enjoy solitary activity avoid overstimulation behavior fall label



introversion eysencks describe trait pen model psychoticism measure nonconformity social deviance extraversion measure tolerance social interaction stimulation neuroticism measure emotional arousal stressful big trait personality ocean negative affect directly include pen model relate neuroticism describe person think experience negative emotion high negative affect correspond neuroticism anxiety associate mood disorder eysencks reason people distinguish base fall dimension recently pen theory expand know factor model big suggest use dimension trait openness conscientiousness extraversion agreeableness neuroticism theory openness describe openness experience willingness engage world desire try new thing low openness associate persevere task difficulty abstraction conscientiousness way analogous self control high conscientiousness associate high impulse control low conscientiousness associate spontaneity agreeableness refer degree person concern maintain peace harmony interaction gordon allport primarily trait theorist list

basic type trait disposition cardinal central secondary cardinal trait trait people organize life instance mother teresa cardinal trait self sacrifice develop cardinal trait central secondary trait central trait represent major characteristic personality easy infer honesty charisma secondary trait personal characteristic limited occurrence aspect personality appear close group specific social situation major allport theory concept functional autonomy behavior continue despite satisfaction drive originally create behavior hunter example originally hunt obtain food eat hunter continue food simply enjoyment hunt begin means obtain goal goal david mcclelland identify personality trait refer need achievement n ach people rate high n ach tend concerned achievement pride accomplishment individual avoid high risk avoid fail low risk easy task generate sense achievement additionally set realistic goal stop strive goal success unlikely behavioral science guide example expert flow mark high attention task usually feeling complete enjoyment loss sense time feeling flow maximal case task provide significant new term flow challenge task tell relate yerkes dodson lookout relationship concept new term flow proneness self esteem stand component identity conscientiousness neuroticism open door

mcats ask big challenge allow meet challenge flow likelihood individual enter flow state give skill demand show flow proneness trait relate neuroticism temperamental trait associate fear avoidance inhibition anxiety neurotic introversion reasonable expect low correlate flow new term behavioral inhibition bi want relationship straight bi relate ocean trait correspond low flow proneness fp fp relate low bi feeling enjoyment relate flow derive relationship locus control loc relate way fp way involve reward show flow proneness correlate internal locus control internal locus control individual skill task challenge likely experience flow perform task skill compatible locus control show relate low neuroticism ocean trait high fp = internal loc = low bi analyze datum web base survey twin register swedish twin registry survey include flow locus control scale measure result

twin registry survey include flow locus control scale measure result confirm low statistically twin study = genetic iv genetic relationship dv survey result analyze relationship dependent variable survey result confirm relationship correlation low significant genetics confirm summary gene relate dopamine incidence trait adapt mosing ma pedersen nl cesarini d johannesson m magnusson pke nakamura j et al 2012 genetic environmental influences relationship flow proneness locus control internal locus control analysis show strong marker specific set gene account significant variance pathway datum support dominant behavioral inhibition plos 7(11 e47958 theory personality support experiment way concept study identity personality contribute support question demand integrate datum study outside knowledge theory personality passage blend topic want read strategically identify new topic introduce explain time passage allude content study want ready answer question topic worth take second remind know trait theory definitely include passage make explicit reference big conscientiousness tendency organized self disciplined achievement focused neuroticism tendency prone psychological stress quickness experience unpleasant emotion anger anxiety big trait hint discussion behavioral inhibition mention avoidance novel experience low openness experience introversion opposite extraversion careful look type link read time save

lot time test day passage mention self esteem locus control idea relate self concept state  
relate trait discuss talk trait reasonable think passage support trait theory phrasing question  
stem key ask experiment specifically locate paragraph study fact include lot analysis sake  
completeness particularly astute test taker avoid analysis focus solely analyze experiment  
answer question tie genetic personality trait experiment passage strongly support biological  
perspective overall result demonstrate correlation gene regulate dopamine reward pathway  
trait relate reward discipline motivation locus control trait link tendency question study flow  
proneness summary passage discuss theory personality provide support trait theory  
experiment datum provide directly support biological perspective personality theory theory  
personality course entire textbook fact devote personality theorist idea mcat

personality course entire textbook fact devote personality theorist idea mcat test key idea  
theory concept overlap heavily topic text behaviorist perspective champion b. f. skinner base  
heavily concept operant conditioning discuss chapter 3 mcat behavioral sciences review  
skinner reason personality simply reflection behavior reinforce time therapy focus learn skill  
change behavior operant conditioning technique token economy example inpatient  
therapeutic setting positive behavior reward token exchange privilege treat reinforcer social  
cognitive perspective take behaviorism step focus environment influence behavior interact  
environment albert bandura concept reciprocal determinism central idea perspective  
reciprocal determinism refer idea thought feeling behavior environment interact determine  
action give situation people choose environment suit personality personality determine feel  
react event environment locus control important concept social cognitive perspective people  
feel control environment feel environment control social cognitive theorist good predictor  
future behavior past behavior similar end spectrum lie biological perspective hold personality  
explain result genetic expression brain biological trait perspective closely link biological  
theorist maintain trait show result gene difference brain anatomy dichotomy present social  
cognitive biological perspective personality similar debate psychology behavior primarily

determine individual personality dispositional approach environment context situational approach division investigate depth section attribution theory chapter 10 mcat behavioral sciences review mcat concept check 6.3 assess understanding material question 1 follow perspective briefly describe define personality 2 role d ego superego accord psychoanalytic perspective 3 trait describe eysencks pen theory describe 4 big personality trait chapter discuss concept central study psychology identity describe personality describe set thought feeling trait behavior characteristic time different location discuss variety approach theorist critic idea present chapter ripe mcat test expect question test day ask identify perspective difference apply behavior research theory personality focus problem everyday life cope stress anxiety depression medical school focus primarily pathologic state mind psychological disorder extremely important topic abnormal psychology turn attention chapter review content

extremely important topic abnormal psychology turn attention chapter review content test knowledge critical thinking skill complete test like passage set online resource self concept identity self concept sum way describe present future identity individual component self concept relate group belong religious affiliation sexual orientation ethnic national affiliation example identity self esteem describe evaluation generally close actual self ideal self want ought self want high self esteem self efficacy degree capable give skill give situation place consistently hopeless scenario self efficacy diminish point learn helplessness result locus control self evaluation refer way characterize influence life people internal locus control success failure result characteristic action external locus control perceive outside factor have influence life formation identity freud psychosexual stage personality development base tension cause libido failure give stage lead fixation cause personality disorder freud phase oral anal phallic oedipal latent genital base erogenous zone focus phase development erikson stage psychosocial development stem conflict occur life trust vs. mistrust autonomy vs. shame doubt initiative vs. guilt industry vs. inferiority identity vs. role confusion intimacy vs. isolation

generativity vs. stagnation integrity vs. despair conflict result decision force environment phase kohlberg stage moral development describe approach individual resolve moral dilemma kohlberg believe progress stage divide main phase preconventional conventional postconventional vygotsky describe development language culture skill propose idea zone proximal development describe skill child master require knowledgeable accomplish imitation role taking common way child learn child reproduce behavior role model later learn perspective practice take new role self concept depend reference group group compare individual quality differently depend quality compare reference group psychoanalytic perspective view personality result unconscious urge desire freud theory base d base urge survival reproduction superego idealist perfectionist ego mediator conscious mind ego make use defense mechanism reduce stress cause urge d superego jung assume collective unconscious link human view personality influence

superego jung assume collective unconscious link human view personality influence psychoanalyst adler horney distance freud theory claim unconscious motivate social sexual urge humanistic perspective emphasize internal feeling healthy individual strive happiness self realization maslow hierarchy need rogers therapeutic approach unconditional positive regard flow humanistic view type trait theorist believe personality describe number identifiable trait carry characteristic behavior type theory personality include ancient greek notion humor sheldon somatotype division types b myers briggs type inventory eysencks identify major trait describe individual acronym trait pen psychoticism nonconformity extraversion tolerance social interaction stimulation neuroticism arousal stressful situation later trait theorist expand trait big openness conscientiousness extraversion agreeableness allport identify basic type trait cardinal central secondary cardinal trait trait people organize life develop cardinal trait central trait represent major characteristic personality secondary trait personal characteristic limited maclelland identify personality trait need social cognitive perspective hold individual interact environment cycle call reciprocal determinism people

mold environment accord personality environment turn shape thought feeling behavior  
behaviorist perspective base concept operant conditioning hold personality describe behavior  
learn prior reward punishment biological theorist claim behavior explain result answers  
concept checks 1 self concept describe sum phrase come mind think future identity hand  
describe set behavior label 2 ethnic identity determine common ancestry cultural heritage  
language similarity determine birth national identity determine political border live cultural  
identity 3 student internal locus control look internal factor having study hard student  
external locus control blame external factor bad luck test difficult 1 freud individual fixated  
stage display personality trait fixation life erikson individual subsequent phase lack skill virtue  
grant successful resolution stage kohlberg individual incapable reason level failure individual  
use reasoning describe previous stage resolve moral dilemma reasoning base individual  
reward reasoning base relationship individual reasoning base abstract principle 2 zone  
proximal development apply child acquisition new skill ability age standardized

proximal development apply child acquisition new skill ability age standardized test require  
student utilize skill fully develop process development result improve get help knowledge  
exam expert instructor author 1 psychoanalytic personality result unconscious urge  
humanistic personality come conscious feeling oneself result healthy striving self realization  
type personality set distinct quality disposition people group trait personality assemble have  
different degree certain quality disposition behaviorist personality result behavioral response  
stimulus base prior reward punishment social cognitive personality come interaction  
individual environment biological personality base genetic influence brain 2 d sum basic urge  
reproduce survive superego sense perfectionism idealism ego mediate anxiety cause action d  
superego defense mechanism 3 psychoticism nonconformity social deviance extraversion  
tolerance social interaction stimulation neuroticism emotional arousal stressful situation 4 big  
personality trait openness conscientiousness extraversion agreeableness neuroticism science  
mastery assessment elf concept define sum way nclude d past future c ought self closely

relate self-esteem appraisal self-androgyny define score highly scale femininity masculinity  
achieve low score scale consider undifferentiated b c describe feminine question stem suggest  
situation fundamentally change student attitude short term d eliminate c unlikely short term  
learned helplessness require repeat inability effect situation long period time severe usually  
manifest depression far likely student simply feel ineffective come math low self-efficacy know  
lawyer internal locus control expect belief n control event happen life b c attribute success  
outside factor represent external locus control d represent attribution correlate low self-  
esteem indicative locus control excessive organization excessive sloppiness indicative fixation  
n anal stage psychosexual development commonly refer postadolescent young adult person  
describe erikson experience conflict intimacy vs. isolation form significant relationship primary  
goal b d represent stage life generativity vs. stagnation integrity vs. despair respectively  
conflict erikson resolve adolescence identity vs. role confusion maturation reflect desire  
avoid punishment reflect stage n kohlberg

preconventional phase obedience child reasoning take account social order reflect stage  
conventional phase law situation well describe lev vygotsky zone proximal development  
theory hold child unable perform ask complete task help c support role take research  
eliminate b inaccurate bobo doll experiment show young child model behavior perform  
parent teen influence peer celebrity athlete research suggest child likely engage behavior  
model individual like female child likely imitate behavior female superego responsible moral  
guilt live deal d libido d responsible urge affair superego responsible anxiety feel ung see  
drive power success typically male trait jung woman exercise inner man animus archetype  
closely reflect quality research support link genetic expression behavior s central tenet  
biological perspective social cognitive perspective also hold people behavior trait shape  
environment n turn effect identity discovery support perspective behaviorism support  
discovery relate reward punishment rebel sociable person individual score highly psychoticism  
extraversion respectively neuroticism associate high emotional arousal stressful situation able

calm emergency sign low neuroticism conscientiousness trait associate hardworking organized instead impulsive describe question stem reaction formation defense mechanism convert unwanted feeling into exact opposite psychodynamic theorist terror and hatred victim feel captor unconsciously turn into affection effort reduce stress situation fictional finalism comprise internal idealistic belief future assumption win lottery solve life problem representative form thinking cardinal trait trait round individual organize entire life functional autonomy c s behavior continue drive behavior cease example young professional continue purchase lottery ticket after win simply enjoyment behavior gain functional autonomy unconditional positive regard d o r m

humanistic therapy therapist believe internal good client judge client negatively word consult online resource additional practice behavioral science chapter 3 learning memory behavioral science chapter 4 cognition consciousness language behavioral sciences chapter 5 motivation emotion stress behavioral science chapter 7 behavioral science chapter 9 behavioral sciences chapter 10 science mastery assessment pre med know feeling content know mcats know important high yield badge book help identify important topic science mastery assessment tool mcats prep arsenal quiz take online resource guidance help ensure spend appropriate time chapter base personal strength weakness worry skip mean study later prep complete length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read correspond subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept summary end chapter 1 follow example negative symptom see a. auditory hallucination b. disorganized behavior c.



disturbance affect 2 interview schizophrenic patient psychiatrist notice patient keep repeat psychiatrist say phenomenon c. loosening association 3

42 year old patient extremely neat tidy person work secretary stay long normal working hour check punctuation spelling letter prepare day patient refer counseling supervisor repeatedly get fight coworker job heart patient say joke day likely preliminary diagnosis patient a. obsessive compulsive personality disorder b. antisocial personality disorder c. narcissistic personality disorder d. borderline personality disorder 4 follow true regard major depressive episode a. week b. involve thought suicide suicide attempt c. involve decrease sleep d. involve feeling sadness 5 young person move new city start work accelerated degree program month individual visit doctor complain stress isolation diagnose depression doctor ascribe cause low level serotonin prescribe ssri treatment follow well describe physician approach diagnosis a. biomedical approach indirect therapy b. biomedical approach direct therapy c. biopsychosocial approach indirect therapy d. biopsychosocial approach direct therapy 6 young person unknown age bring philadelphia police local emergency department evaluation find wander park patient carry identification unable provide life detail phoenix familiar police arizona contact find miss person report match patient description base information likely diagnosis patient a. depersonalization derealization disorder b. dissociative identity disorder c. somatic symptom disorder d. dissociative amnesia dissociative fugue 7 addition freestanding diagnosis agoraphobia see association psychiatric diagnosis a. obsessive compulsive disorder b. avoidant personality disorder c. generalized anxiety disorder d. panic disorder 8 researcher interested study fear response variety different stimulus rule potential confound variable research exclude individual phobia study sample 50 participant likely exclude study assume sample representative overall population question 9–10 refer scenario describe physician attempt diagnose patient mental disorder base set symptom confirm symptom currently include appetite disturbance substantial weight change decrease energy feeling worthlessness excessive guilt 9 disorder symptom indicate a. major depressive bipolar

disorder b. dissociative amnesia depersonalization derealization disorder c. alzheimer disease parkinson disease d. specific phobia panic disorder

10 physician ask distinguish possible disorder affect patient a. patient amnesia b. patient manic episode c. patient irrationally afraid d. patient experience difficulty perform familiar task 11 follow risk factor diagnostic criterion alzheimer a. extra copy  $\beta$  amyloid precursor protein gene b. decrease abundance serotonin norepinephrine c. neurofibrillary tangle hyperphosphorylate tau protein d. deficient blood flow parietal lobe 12 splitting defense mechanism commonly see personality a. antisocial personality disorder b. borderline personality disorder c. histrionic personality disorder d. narcissistic personality disorder 13 patient come doctor week history complete paralysis left arm patient injury extremity neurological workup fail demonstrate underlying cause patient surprisingly unconcerned paralysis worried argument happen month ago patient hit family member base information patient likely diagnosis a. conversion disorder b. generalized anxiety disorder c. illness anxiety disorder d. histrionic personality disorder 14 patient take doctor start finger way look like roll despite actually patient exhibit slow movement shuffle gait neurotransmitter likely present decrease level patient 15 follow true bipolar disorder i. little genetic heritability ii associate increase level serotonin brain iii require depressive episode diagnosis a. b. ii c. iii d. ii iii chapter 7.1

understand psychological disorder biomedical vs. biopsychosocial approach classify psychological disorder rate psychological disorder 7.2 type psychological disorders schizophrenia psychotic disorders bipolar related disorders obsessive compulsive related disorders trauma- stressor related disorders somatic symptom related disorders 7.3 biological basis nervous system disorder depressive bipolar disorder content chapter relevant 4 question behavioral science mcat chapter cover material following aamc content category 7a individual influence behavior progress understanding hysteria come largely elaboration call

mechanism symptom arise mechanism declare reside origin subconsciousness  
coconsciousness mechanism range way conception janet personality disintegrate owe  
lowering psychical tension freud conceive hysterical symptom result dissociation arise conflict  
repress sexual desire experience censor organize social life take glance rest book notice  
chapter low percentage relevant content compare rest chapter mcat behavioral sciences  
review chapter 7 material test material book psychology question mcat low yield topic  
behavioral science point excerpt journal abnormal psychology 1915 merely century ago  
understanding psychological disorder infancy hysteria antiquated conversion disorder think  
result marital discord repress sexual desire begin understand underlie psychological  
biological factor play number mental illness chapter focus different type psychological  
disorder classification cause frequency 7.1 understand psychological chapter 7.1 able compare  
contrast biomedical biopsychosocial model recall common psychological disorder united  
states psychological disorder characteristic set thought feeling action cause noticeable  
distress sufferer consider deviant individual culture cause maladaptive functioning society  
mean aspect individual behavior negatively impact lead self defeat outcome disorder treat  
diagnose process define disorder vary main classification system need know mcat thomas  
szasz outspoken critic label people mentally ill argue disorder treat clinician illness trait  
behavior differ cultural norm szasz argue label people mentally ill way force change conform  
societal norm allow attack societal cause problem biomedical vs. biopsychosocial approach  
classification system know

mcat biomedical approach psychological disorder biomedical therapy emphasize intervention  
rally symptom reduction psychological disorder word approach assume disorder root  
biomedical disturbance solution biomedical nature view think narrow approach fail account  
source disorder lifestyle socioeconomic status example heart disease clearly root mechanism  
cardiac muscle cause malfunction biomedical cause genetic lifestyle cause diet rich salty fatty  
food smoking alcohol use similarly biomedical approach miss underlie source psychological

disorder effective supplement broad approach diagnosis biopsychosocial model originally theorize 1977 science article grow breadth depth applicability describe fact increase recognition psychological social factor patient care primary driver creation psychological social biological foundations behavior section mcat broad classification system commonly psychological disorder biopsychosocial approach method assume biological psychological social component individual disorder biological component disorder body like have particular genetic syndrome psychological component disorder stem individual thought emotion behavior finally disorder social component result individual surrounding include issue perceive class society discrimination stigmatization aspect disorder consider biopsychosocial approach diagnosis well understand biopsychosocial approach consider depression certain genetic factor individual susceptible depressive tendency show purely biological influence disorder psychological perspective level stress individual experience contribute severity depression experience finally social environment provide additional stressor support career family friend accordingly biopsychosocial model goal provide direct therapy treatment act directly individual medication periodic meeting psychologist indirect therapy aim increase social support educate empower family friend affect individual classify psychological disorders aid clinician consider factor diagnostic statistical manual mental disorders dsm create originally manual write collect statistical datum united states diagnostic tool united states country manual currently fifth edition publish 2013 common abbreviation see dsm-5 manual compilation know psychological disorder dsm-5 classification scheme base theory etiology cause treatment different disorder base description symptom clinician fit list compile symptom patient category diagnose patient dsm-5 20 diagnostic class mental disorder test mcat discuss rate psychological disorders suffer mental disorder lonely experience

mcats discuss rate psychological disorders suffer mental disorder lonely experience disorder usually occur mind patient rate psychological disorder high experience suggest table 7.1 cover rate detail table 7.1 year prevalence rate psychological disorder united number affect mental

disorder number affect social anxiety disorder major depressive disorder posttraumatic stress disorder  
disorder generalized anxiety disorder datum website  
<https://www.nimh.nih.gov/health/statistics/index.shtml> note nonpsychological condition  
include comparison

david rosenhan study possible judge sane insane place psychiatric hospital rosenhan seven  
sane people admit psychiatric hospital report auditory hallucination pseudopatient diagnose  
schizophrenia bipolar disorder admit admit act completely normal take average week  
discharge give diagnosis schizophrenia remission label hard distance oneself diagnosis  
mental illness mcats test category mental disorder describe dsm-5 neurodevelopmental  
disorder eating disorder impulse control disorder sleeping disorder list aamc guide mcats  
content include text mcats concept check 7.1 assess understanding material question 1  
difference biomedical biopsychosocial model psychological disorder 2 psychological disorder  
great 2 year prevalence united states affect 1 50 people year refer table 7.1 7.2 type  
psychological disorders chapter 7.2 able list major positive symptom major negative symptom  
schizophrenia psychotic disorder recall feature major depressive episode manic hypomanic  
distinguish testable mood disorder relate obsession compulsion symptom obsessive describe  
explain symptom posttraumatic stress disorder describe distinguish dissociative somatic  
symptom disorder describe feature individual disorder fall cluster b c personality disorder  
mention early dsm-5 categorize common symptom 20 diagnostic class class represent  
significant revision dsm-5 immediate predecessor dsm iv tr heavily test diagnostic class mcats  
schizophrenia spectrum psychotic disorder bipolar relate disorder depressive disorder anxiety  
disorder obsessive compulsive related disorder trauma- stressor relate disorder dissociative  
disorder somatic symptom relate disorder personality disorder term schizophrenia relatively  
recent term coined 1911 eugen bleuler bleuler schizophrenia call dementia praecox  
schizophrenia literally mean split mind disorder characterize distortion reality disturbance  
content form thought perception affect unfortunately lead confusion dissociative identity

disorder multiple personality disorder split mind bleuler mean mind split different personality  
mind split schizophrenia psychotic disorders accord dsm-5 individual psychotic disorder  
present following symptom delusion hallucination disorganized thought disorganized  
behavior catatonia negative symptom like psychological category psychotic disorder spectrum  
delineate psychotic disorder describe dsm-5 psychotic symptom understand psychotic  
symptom divide positive negative type positive symptom behavior thought feeling add

divide positive negative type positive symptom behavior thought feeling add normal behavior  
word positive symptom feature experience individual psychotic disorder present general  
population example include delusion hallucination disorganized thought disorganized  
catatonic behavior positive symptom consider distinct dimension psychotic dimension  
delusion hallucination disorganized dimension disorganized thought behavior)—perhaps  
different underlie cause negative symptom involve absence normal desire behavior  
disturbance affect avolition delusion false belief discordant reality share individual culture  
delusion maintain spite strong evidence contrary common delusion include delusion  
reference persecution grandeur delusion reference involve belief common element  
environment direct individual example people delusion reference believe character tv talk  
directly delusion persecution involve belief person deliberately interfere discriminate plot  
threaten delusion grandeur common bipolar disorder involve belief person remarkable  
significant way inventor historical figure religious icon common delusion involve concept  
thought broadcasting belief thought broadcast directly head external world thought  
withdrawal belief thought remove head thought insertion belief thought place head fact  
delusion consider deviant society individual live provide excellent opportunity mcats integrate  
mental illness sociology example belief shamanism common caribbean central south america  
africa american indian tribe consider delusion society endorse shamanic hallucination  
perception external stimulus real person perceive common form hallucination auditory  
involve voice perceive come inside outside patient head visual tactile hallucination common

see drug use disorganized thought characterize loosening association exhibit speech idea shift subject way listener unable follow train thought patient speech disorganized structure word throw incomprehensibly call word salad fact person schizophrenia invent new word call neologism disorganized behavior refer inability carry activity daily living pay bill maintain hygiene keep appointment catatonia refer certain motor behavior characteristic people schizophrenia patient spontaneous movement activity greatly reduce patient maintain rigid posture refuse move extreme catatonic behavior include useless bizarre movement cause external stimulus echolalia repeat word echopraxia imitate action word salad see severe schizophrenia wernicke receptive aphasia patient

action word salad see severe schizophrenia wernicke receptive aphasia patient string unrelated word prosody speech rhythm stress intonation remain intact aphasia discuss chapter 3

mcats behavioral sciences review classic negative symptom schizophrenia relate psychotic disorder disturbance affect avolition affect refer experience display emotion disturbance affect disruption ability affective symptom include blunting severe reduction intensity affect expression emotional flattening flat affect virtually sign emotional expression inappropriate affect affect clearly discordant content individual speech example patient inappropriate affect begin laugh hysterically describe parent death interestingly difficult assess affective aspect schizophrenia antipsychotic medication treatment frequently blunt flatten affect finally avolition mark decrease engagement purposeful goal direct schizophrenia prototypical psychotic disorder category disorder schizophrenia characterize break individual reality fact term schizophrenia literally mean split mind eugen bleuler coin term reference splitting mind reality give diagnosis schizophrenia individual continuous sign disturbance month month period include month positive symptom delusion hallucination disorganized speech mcats test schizophrenia likely include connection sociology downward drift hypothesis state

schizophrenia cause decline socioeconomic status lead worsen symptom set negative spiral patient poverty psychosis rate schizophrenia high homeless indigent phase schizophrenia diagnosis course schizophrenia typically follow specific path term phase schizophrenia schizophrenia diagnose patient go phase characterize poor adjustment phase call prodromal phase prodromal phase exemplify clear evidence deterioration social withdrawal role functioning impairment peculiar behavior inappropriate affect unusual experience follow active phase pronounced psychotic symptom display schizophrenia development slow correct diagnosis difficult prognosis especially poor onset symptom intense sudden diagnosis readily prognosis well diagnosis usually occur active phase residual phase call recovery phase occur active episode characterize mental clarity result concern depression individual aware previous behavior psychotic disorder psychotic disorder differ schizophrenia presence severity duration psychotic symptom general trend psychotic disorder present symptom less degree comparison schizotypal personality disorder include personality disorder psychotic symptom personality symptom having establish psychotic symptom present condition cover great detail personality disorders delusion disorder psychotic symptom limit delusion present month brief psychotic disorder positive psychotic symptom present day month schizophreniform

brief psychotic disorder positive psychotic symptom present day month schizophreniform disorder diagnostic criterion schizophrenia duration require duration diagnosis 1 schizoaffective disorder major mood episode major depressive episode manic episode present psychotic sadness natural life especially response stressful life event like death love period sadness people depressed periodic sadness response life event mental disorder depressive disorder contrast condition characterize feeling sadness severe magnitude duration meet specific diagnostic criterion understand dsm-5 categorization spectrum depressive disorder discuss 9 depressive symptom define dsm-5 symptom recall mnemonic sadness + + sig e. cap

sadness depressed mood feeling sadness emptiness sleep insomnia hypersomnia interest loss



interest pleasure activity previously spark joy term anhedonia guilt feeling inappropriate guilt worthlessness energy low level energy day concentration decrease ability concentrate self describe observe appetite pronounce change appetite increase decrease result significant change 5%+ weight psychomotor symptom psychomotor retardation slow thought physical movement psychomotor agitation restlessness result undesired movement suicidal thought recurrent suicidal thought addition depressive symptom dsm-5 categorize depressive disorder base duration timing cause depressive symptom symptom major depressive episode sig e. caps major depressive disorder key diagnostic feature major depressive disorder mdd presence major depressive episode major depressive episode define 2 week long period 5 9 define depressive symptom encounter include depressed mood anhedonia inability feel anticipate pleasure addition symptom severe impair daily social- work- persistent depressive disorder consider difference naming major depressive disorder persistent depressive disorder reasonable assume persistent depressive disorder less form major depressive disorder case fact major depressive episode coincide persistent depressive disorder diagnosis persistent depressive disorder pdd know dysthymia give individual experience period last 2 year experience depressed mood majority day primary diagnostic feature pdd time patient receive pdd mdd diagnosis meet duration severity requirement common line treatment depression class medication call selective serotonin reuptake inhibitor ssris block reuptake serotonin presynaptic neuron result high level serotonin synapse relief symptom nervous system outline chapter 1 mcat behavioral sciences review chapter 4 mcat biology review depressive disorder major depressive disorder persistent depressive disorder characterize severity duration depressive symptom depressive disorder characterize age incidence child exhibit dramatic emotional response adult previous edition dsm lead potential overdiagnosis bipolar disorder child address concern dsm-5 include disruptive mood dysregulation disorder typically diagnose age 6 10

key diagnostic feature persistent recurrent emotional irritability multiple environment school

home depressive symptom arise response specific time situation symptom meet certain diagnostic criterion consider disorder premenstrual dysphoric disorder characterize mood change depressed mood occur day menses resolve menses onset freestanding diagnosis dsm-5 seasonal affective disorder postpartum depression condition apparent cause seasonal affective disorder sad dark winter month believe source depressive symptom disorder well categorize major depressive disorder seasonal onset postpartum depression rapid change hormone level give birth cause depressive symptom case seasonal affective disorder depressive symptom present winter month disorder relate abnormal melatonin metabolism treat bright light therapy patient expose bright light specified time day demonstrate plant figure 7.1 figure 7.1 bright light therapy seasonal affective bipolar related disorders category disorder characterize presence manic depressive symptom severe persistent label episode manic symptom associate exaggerated elevation mood accompany increase goal directed activity energy simply manic symptom think prolonged exaggerated emotion happiness joy accord dsm-5 7

manic symptom symptom recall mnemonic distractibility inability remain focused activity irresponsibility engage risky activity consider future grandiosity exaggerated unrealistic increase self esteem flight of thought racing thoughts self report reveal activity agitation increase goal oriented work social activity sleep decrease need sleep e.g. sleep couple hours talkative exaggerated desire speak presence manic symptom consider hypomanic episode symptom present 4 days include 3 7 define manic symptom symptom severe impair person social work activity diagnosis progress manic episode manic symptom 3 define 7 severe impair person social work activity persist 7 days addition manic symptom associate episode presence absence depressive symptom associate episode differentiate bipolar related disorder specifically disorder classify presence absence manic hypomanic major depressive episode depressive symptom cover depressive bipolar disorder manic episode present diagnosis bipolar disorder likely key diagnostic feature disorder presence manic episode diagnosis bipolar disorder

include depressive symptom major depressive episode requirement illustrate point consider hypothetical patient patient experience manic episode patient b regularly experience manic major depressive episode cycle regularly despite patient present differently fit categorization bipolar disorder bipolar ii disorder key feature bipolar ii disorder diagnosis presence major depressive episode accompany hypomanic episode manic episode avoid confusion worth note patient experience major depressive episode manic episode diagnosis bipolar disorder likely addition person experience major depressive symptom absence hypomanic manic episode diagnosis major depressive disorder likely diagnosis bipolar ii capture individual experience major depressive episode less hypomanic episode diagnostic feature cyclothymic disorder presence manic depressive symptom severe consider episode word patient experience major depressive manic hypomanic episode specifically patient experience 3 7 manic symptom 4 day period diagnostic criterion hypomanic episode experience 5 9 depressive symptom 2 week period diagnostic criterion major depressive episode consider relatively low threshold symptom requirement diagnose cyclothymic disorder despite relatively low symptom requirement duration requirement disorder high diagnosis cyclothymic disorder person

symptom requirement duration requirement disorder high diagnosis cyclothymic disorder person experience numerous period manic depressive symptom majority time 2 year long period depressive manic episode essentially side coin depression associate low norepinephrine serotonin level manic episode associate high level neurotransmitter patient treatment depression watch sign mania antidepressant medication trigger manic symptom move anxiety disorder brief discussion propose neurological etiology mood disorder warrant common explanation revolve neurotransmitter norepinephrine serotonin link call monoamine catecholamine theory depression theory hold norepinephrine serotonin synapse lead mania little lead depression recent research show simple aware theory evolutionary perspective emotion serve direct modulate behavior base environmental stimulus see bipolar depressive disorder regulation emotion happiness sadness insufficient symptom arise case anxiety fear

associate emotion fear define emotional response immediate threat anxiety view fear upcoming future event like fear anxiety healthy important life consider anxiety disorder irrational excessive fear anxiety affect individual daily functioning 10 disorder list anxiety disorder portion dsm-5 disorder categorize situation stimulus anxiety disorder clinician rule hyperthyroidism excessive level thyroid hormone triiodothyronine t3 thyroxine t4)—because increase body metabolic rate create anxiety like symptom thyroid function discuss chapter 5 mcat biology review common type anxiety disorder phobia phobia irrational fear result compelling desire avoid phobia likely familiar dsm-5 call specific phobia specific phobia fear anxiety produce specific object situation unlike source anxiety specific phobia lack specific ideation thought pattern instead present immediate irrational fear response specific object situation example claustrophobia irrational fear closed place acrophobia irrational fear height arachnophobia irrational fear spider figure 7.2 specific phobia arachnophobia fear spider common example specific phobia separation anxiety disorder separation anxiety excessive fear separate caregiver home environment separation anxiety common expect young child anxiety excessive persist age deem developmentally appropriate person diagnose separation anxiety disorder diagnosis accompany ideation separate caregiver individual harm e.g. kidnapping get sick persistent belief result avoidant

individual harm e.g. kidnapping get sick persistent belief result avoidant behavior refusal leave home shadow caregiver etc social anxiety disorder surface social anxiety disorder view social phobia fear anxiety social situation encounter unlike previously discuss specify phobia social anxiety disorder accompany ideation individual think perceive negatively key diagnostic feature social anxiety disorder fear anxiety social situation belief individual expose embarrass simply negatively perceive like anxiety disorder avoidant behavior condition means reduce associate anxiety case social anxiety broad avoid social situation entirely narrow avoid handshake fear sweaty palm avoidant behavior point social occupational impairment necessary social anxiety disorder categorize separate anxiety disorder selective mutism

heavily associate social anxiety disorder characterize consistent inability speak situation speaking expect situation relaxed communication expect speak unaffected perspective selective mutism conceptualize patient fear negatively evaluate patient key diagnostic feature panic disorder recurrence unexpected panic attack understand panic disorder cover panic attack physiological perspective panic attack misfiring sympathetic nervous system result unwanted fight flight response psychological perspective panic attack include associate emotion accompany sympathetic response intense fear sense impending doom danger combine perspective panic attack sudden surge fear individual feel lose control body and/or die occurrence individual attack associate specific trigger case attack term expect panic attack clear trigger panic attack seemingly random term unexpected panic attack notice large number symptom panic disorder cause excess activation sympathetic nervous system autonomic overdrive include trembling sweating hyperventilation shortness breath race heart rate palpitation autonomic nervous system discuss chapter 1 mcat behavioral sciences review chapter 4 mcat biology review diagnosis panic disorder require recurrence unexpected panic attack unexpected panic attack produce associate anxiety word individual anxious thought have unexpected panic attack anxiety impair daily function persist month diagnosis panic disorder worth note panic attack consider psychological disorder occur absence physiological disorder associate anxiety disorder clear trigger instance individual arachnophobia experience

disorder associate anxiety disorder clear trigger instance individual arachnophobia experience expect panic attack encounter spider agoraphobia anxiety disorder characterize fear place situation difficult individual escape fear stem thought individual experience panic attack similar event need escape avoid embarrassment people agoraphobia tend uncomfortable leave home public transport open space wait line simply crowd agoraphobia association panic attack fear negatively evaluate comorbid panic disorder social anxiety disorder specific phobia generalized anxiety disorder previously mention dsm-5 categorize anxiety disorder base stimulus induce fear anxiety instance anxiety social interaction term social anxiety anxiety

thought separation caregiver term separation anxiety and individual anxious temperament make susceptible anxiety trigger multitude stimulus reason specific anxiety disorder comorbid result patient have multiple diagnosis well diagnosis patient trigger anxiety generalize anxiety disorder generalized anxiety disorder gad define disproportionate persistent worry different thing make mortgage payment month addition worrying difficult control case individual know worrying fear irrational individual physical symptom like fatigue muscle tension sleep problem accompany worry general anxiety disorder relatively common population approximately 3 population experience gad 12 month period furthermore course lifetime individual 1 10 chance meet diagnostic criterion

general anxiety disorder obsessive compulsive related disorders classify anxiety somatic symptom disorder disorder group relabel obsessive compulsive related disorder dsm-5 reason organizational change reveal common feature condition follow disorder individual perceive particular need respond need complete particular action disorder category differentiate compulsiveness need meet nature action obsessive compulsive disorder ocd characterize obsession persistent intrusive thought impulse produce tension compulsion repetitive task relieve tension cause significant impairment person life relationship key obsession raise individual stress level compulsion relieve stress obsession compulsion ego dystonic mean individual know behavior irrational anxiety arise compulsion perform ignore obsession perceive need accompany ideation particular need meet disastrous event follow action pair obsession term compulsion individual ocd attempt satisfy obsession ritual set rule develop compulsion perform example individual need wash hand specific length time intrusive thought get sick occur alternatively individual need check door lock specific number time worry obsessively getting robbed diagnose ocd compulsion impair daily activity instance take lot time day body dysmorphic disorder body dysmorphic disorder person unrealistic negative evaluation personal appearance attractiveness usually direct certain body know preoccupation type worry lack disastrous ideation accompany obsession patient disorder nose

skin stomach ugly horrific actually ordinary appearance body focus preoccupation disrupt day day life sufferer seek multiple plastic surgery extreme intervention common association disorder muscle dysmorphia individual believe body small unmuscular preoccupation respond work like body dysmorphic disorder general belief persist clear evidence contrary hoarding disorder present need save item pair excessive acquisition object behavior stem possible source range belief keep item eventually useful feeling patient responsibility care item result individual hoarding disorder fill home seemingly useless item past point accumulation belonging impair daily life obsessive compulsive related disorders body focused repetitive behavior trichotillomania excoriation obsessive compulsive relate disorder present body focus compulsion case trichotillomania individual compel pull hair excoriation disorder individual compel pick skin

individual compel pull hair excoriation disorder individual compel pick skin require diagnostic feature disorder patient previously attempt stop body focus compulsion far trauma- stressor relate disorder category capture disorder traumatic event source symptom diagnostic requirement disorder typical response traumatic event include fear helplessness anxiety trauma stressor relate disorder individual present maladaptive symptom like anhedonia dysphoria generalize dissatisfaction life aggression dissociation far notable disorder category posttraumatic stress disorder ptsd ptsd occur experience witness traumatic event war home invasion rape natural disaster consist intrusion symptom arousal symptom avoidance symptom negative cognitive symptom intrusion symptom include recurrent reliving event flashback nightmare prolonged distress arousal symptom include increase startle response irritability anxiety self destructive reckless behavior sleep disturbance avoidance symptom include deliberate attempt avoid memory people place activity object associate negative cognitive symptom include inability recall key feature event negative mood emotion feeling distanced persistent negative view world meet criterion ptsd particular number symptom present month symptom month day call acute stress behaviorist perspective symptom ptsd

explain traumatic event reaction intrusion arousal symptom explain associative learning specifically classical conditioning event associate traumatic trigger generalize include everyday stimulus avoidance symptom explain operant conditioning specifically avoidance learning individual learn behavior avoid unpleasant stimulus involuntary response case ptsd finally negative cognitive symptom view form dissociation defense mechanism avoid unpleasant stimulus dissociation cover great detail dissociative disorders patient dissociative disorder avoid stress escape part identity patient intact sense reality example dissociative disorder include dissociative amnesia dissociative identity disorder multiple personality disorder dissociative amnesia characterize inability recall past experience qualifier dissociative simply mean amnesia neurological disorder disorder link trauma individual disorder experience dissociative fugue sudden unexpected purposeless wandering away home location usual daily activity individual fugue state confuse identity assume new identity significantly actually believe complete backstory

dissociative identity disorder dissociative identity disorder multiple personality disorder personality recurrently control patient behavior represent figure 7.3 disorder result component identity fail integrate case patient suffer severe physical sexual abuse young child therapy personality integrate existence dissociative identity disorder justifiably debate medical community characteristic important recognize test day figure 7.3 dissociative identity disorder artist interpretation personality see famous case dissociative identity disorder medium shirley ardell mason know sybil claim 13 separate personality mason undergo year therapy attempt combine personality single separate tv movie call sybil produce tell story sybil struggle disorder depersonalization derealization disorder individual feel detached mind body depersonalization surrounding derealization present feeling automation include symptom like failure recognize reflection body experience example depersonalization derealization describe give world dreamlike insubstantial quality patient experience depersonalization derealization simultaneously feeling cause significant impairment regular activity time patient display



psychotic symptom like delusion hallucination somatic symptom related disorders diagnoses category mark somatic bodily symptom cause significant stress impairment somatic symptom disorder individual somatic symptom disorder somatic symptom link underlie medical condition accompany disproportionate concern seriousness devotion excessive time energy elevated level anxiety illness anxiety disorder illness anxiety disorder characterize consume thought have develop medical condition individual disorder quick alarmed health excessively check sign illness avoid medical appointment altogether patient classify hypochondriasis dsm iv tr fit somatic symptom disorder somatic symptom present illness anxiety disorder conversion disorder know functional neurological symptom disorder characterize symptom affect voluntary motor sensory function incompatible patient neurophysiological condition symptom generally begin soon individual experience high level stress traumatic event develop time pass initiate experience example include paralysis blindness evidence neurological damage patient surprisingly unconcerned symptom call la belle indifférence conversion disorder historically call hysteria symptom see conversion disorder connect incite event literal poetic way example parent go blind shortly watch child die tragically personality disorder pattern behavior inflexible maladaptive

watch child die tragically personality disorder pattern behavior inflexible maladaptive cause distress impaired functioning follow cognition emotion interpersonal functioning impulse control personality disorder consider ego syntonic mean individual perceive behavior correct normal harmony goal contrast disorder cover chapter ego dystonic mean individual illness thrust intrusive bothersome addition general personality disorder fit diagnostic criterion describe personality disorder group cluster cluster paranoid schizotypal schizoid cluster b antisocial borderline histrionic narcissistic cluster c avoidant dependent obsessive compulsive personality disorder criterion continue change time dsm-5 include section specifically devote research model redefine personality disorder distinction ego syntonic ego dystonic symptom key feature differential diagnosis disorder dsm-5 instance social anxiety disorder share

symptom avoidant personality disorder anxiety direct social interaction maladaptive avoidance behavior distinction disorder individual social anxiety disorder know fear ridicule irrational ego dystonic individual avoidant personality disorder actually believe inferior fear ridicule valid ego syntonic cluster paranoid schizotypal schizoid cluster personality disorder mark behavior label odd eccentric example include paranoid schizotypal schizoid personality disorder paranoid personality disorder mark pervasive distrust suspicion motive case patient actually prodromal phase schizophrenia term schizotypal personality disorder refer pattern odd eccentric thinking individual idea reference similar delusion reference extreme intensity magical thinking superstitiousness belief clairvoyance finally schizoid personality disorder pervasive pattern detachment social relationship restrict range emotional expression people disorder little desire social interaction close friend poor social skill note schizotypal schizoid personality disorder cluster b antisocial borderline histrionic narcissistic personality disorders cluster b personality disorder mark behavior label dramatic emotional erratic example include antisocial borderline histrionic narcissistic personality antisocial personality disorder time common male female essential feature disorder pattern disregard violation right evidence repeat illegal act deceitfulness aggressiveness lack remorse say action serial killer career criminal guilt action disorder additionally people disorder comprise 20 40 percent prison population borderline personality disorder time common female male disorder pervasive

population borderline personality disorder time common female male disorder pervasive instability interpersonal behavior mood self image interpersonal relationship intense unstable profound identity disturbance uncertainty self image sexual identity long term goal value intense fear abandonment individual borderline personality disorder use splitting defense mechanism view good bad angel vs. devil mentality suicide attempt self mutilation cutting burning common histrionic personality disorder characterize constant attention- seek behavior individual wear colorful clothing dramatic exceptionally extroverted use seductive behavior gain attention narcissistic personality disorder patient grandiose sense self

importance uniqueness preoccupation fantasy success need constant admiration attention characteristic disturbance interpersonal relationship feeling entitlement everyday language narcissism refer like people narcissistic personality disorder fragile self-esteem constantly concerned view mark feeling rage inferiority shame humiliation emptiness individual view favorably cluster c avoidant dependent obsessive compulsive personality disorder cluster c personality disorder mark behavior label anxious fearful example include avoidant dependent obsessive compulsive personality disorder avoidant personality disorder affected individual extreme shyness fear rejection individual disorder socially inept socially isolated despite intense desire social affection acceptance individual tend stay job life situation relationship despite want change dependent personality disorder

characterize continuous need reassurance individual dependent personality disorder tend remain dependent specific person caregiver significant action decision obsessive compulsive personality disorder ocpd individual perfectionistic inflexible tend like rule order characteristic include inability discard wear object lack desire change excessive stubbornness lack sense humor maintenance careful routine note obsessive compulsive personality disorder obsessive compulsive disorder ocd obsession compulsion focal acquire ocpd lifelong ocd ego dystonic stop wash hand germ ocpd ego syntonic like rule order obsessive compulsive disorder ocd obsessive compulsive personality disorder ocpd synonymous ocd mark obsession intrusive thought cause tension compulsion repetitive task relieve tension cause significant impairment ocpd personality disorder individual perfectionistic inflexible behavioral science guide example expert follow individual patient inpatient mental patient hospitalization result intense argument family member involve threat violence prompt police call week stay patient speak plan start online business venture say feel business genius billionaire end year sleep little irritable angry clinic staff try reason elevated mood irritable rapid speech last 2 week soundness plan in follow week patient stay mood level express regret treatment family patient b arrive clinic result complaint neighbor police enter apartment find complete

disrepair clear stop attend personal hygiene long ago week stay patient b effort speak staff  
patient respond question answer short phrase unrelated question simply repetition word  
question spend day isolated sit immobile unresponsive occurrence b take care talk react base  
information provide diagnosis dsm-5 likely patient ask diagnosis hypothetical patient checklist  
symptom describe passage question match know disorder scope mcat worth take moment  
consider severity symptom help differentiate similar disorder depression dysthymic disorder  
example patient exhibit grandiose self esteem rapid speech lack need sleep irritability  
symptom mania sufficient apply label manic episode describe transition mania different mood  
state suggest bipolar disorder specifically presence manic episode rule bipolar ii lead  
diagnosis bipolar require depressive episode follow

rule bipolar ii lead diagnosis bipolar require depressive episode follow patient b tricky  
consider writer mcat know train psychiatrist require nuanced diagnosis symptom present  
straightforward add description disorder familiar patient b symptom avolition inability  
perform basic goal direct activity flat blunt affect lack emotional expression alogia reduction  
speak negative symptom schizophrenia description patient b include echolalia repetition word  
short phrase positive symptom signal test taker schizophrenia case severe depression  
possibility patient b relate disorder mcat present choice require distinguish schizophrenia  
schizoid personality disorder substantial additional information allow decision summary  
patient likely experience bipolar disorder patient b likely experience schizophrenia related  
mcat concept check 7.2 assess understanding material question 1 schizophrenic patient start  
atypical antipsychotic risperidone effective treatment positive symptom schizophrenia  
negative symptom patient symptom likely improve 2 feature major depressive episode major  
depressive episode 3 following disorder briefly describe makeup respect depressive episode  
manic episode mood disturbance major depressive disorder bipolar i disorder bipolar ii  
disorder 4 patient obsessive compulsive disorder believe latch apartment door check time  
okay bed check latch time patient sleep fear break apartment identify patient obsession

patient compulsion relate obsessive compulsive disorder 5 feature describe cluster personality disorder personality disorder fall 7.3

biological basis nervous chapter 7.3 able describe impact depression hormone neurotransmitter recall general feature risk factor alzheimer disease explain role dopamine schizophrenia parkinson disease addition know psychological sociological component diagnosis mcat expect know biological basis mental disorder disorder include schizophrenia depression alzheimer disease parkinson disease research stop progression biological component disease widespread stay apprised medical student schizophrenia area active research biological factor isolate potential cause genetic trauma birth especially hypoxemia low oxygen concentration blood consider risk factor exposure play role excessive marijuana use adolescence associate increase risk significant data indicate schizophrenia partially inherit person disorder risk degree relative disorder time unrelated person general population measurement control environmental effect schizophrenia associate structural change brain research need determine significance prevalence affected population schizophrenia highly associate excess dopamine brain medication treat schizophrenia neuroleptic block dopamine receptor term neuroleptic mean medication depress nerve function neuroleptic know antipsychotic depressive bipolar disorder host marker associate depression abnormally high glucose metabolism amygdala hippocampal atrophy long duration illness abnormally high level glucocorticoid cortisol decrease norepinephrine serotonin dopamine monoamine theory depression find neurotransmitter metabolite decrease depressed patient mean actual production decrease production stay degradation bipolar disorder exist different set biological factor genetic corollary contribute disease increase norepinephrine serotonin monoamine theory high risk parent bipolar disorder high risk person multiple sclerosis alzheimer disease type dementia characterize gradual memory loss disorientation time place problem abstract thought tendency misplace thing later stage disease associate change mood behavior change personality difficulty procedural memory poor judgment loss initiative symptom necessarily

point alzheimer symptom see person especially symptom end inhibit normal daily function  
point alzheimer disease disease common patient old 65 woman great risk man family history  
significant risk factor interestingly low risk develop disease high level education genetic  
component alzheimer disease research show mutation presenilin gene chromosome 1 14  
contribute have disease mutation apolipoprotein

presenilin gene chromosome 1 14 contribute have disease mutation apolipoprotein e gene  
chromosome 19 alter likelihood acquire disease finally  $\beta$  amyloid precursor protein gene  
chromosome 21 know contribute alzheimer disease explain high risk alzheimer individual  
syndrome precise biological cause alzheimer disease unknown biological marker find patient  
disease worry understand marker depth able recognize factor mcat diffuse atrophy brain ct  
mri flatten sulcus cerebral cortex enlarged cerebral ventricle show figure 7.4(a deficient blood  
flow parietal lobe correlate cognitive reduction level acetylcholine reduction choline  
acetyltransferase chat enzyme reduce metabolism temporal parietal lobe senile plaque  $\beta$   
amyloid misfolded protein  $\beta$  pleated sheet form show figure 7.4(b neurofibrillary tangle  
hyperphosphorylated tau protein show figure 7.4(a symptom alzheimer disease enlarged  
cerebral ventricle left vs. normal cerebral figure 7.4(b symptom alzheimer disease formation  
senile plaque  $\beta$  amyloid figure 7.4(c symptom alzheimer disease neurofibrillary tangle  
hyperphosphorylated tau protein parkinson disease demonstrate figure 7.5 characterize  
bradykinesia slowness movement rest tremor tremor appear muscle pill roll tremor flex  
extend finger move thumb forth roll finger masklike facie static expressionless facial feature  
stare eye partially open mouth cogwheel rigidity muscle tension intermittently halt movement  
examiner attempt manipulate limb shuffle gait stooped posture common characteristic  
symptom depression dementia common parkinson disease figure 7.5 finding parkinson  
disease note masklike facie shuffle gait stooped biological basis disease decrease dopamine  
production substantia nigra layer cell brain function produce dopamine permit proper  
functioning basal ganglia show figure 7.6 basal ganglion critical initiate terminate movement

sustain repetitive motor task smoothen motion symptom parkinson disease flow logically underlie cause condition partially manage l- dopa precursor convert dopamine brain replace lose parkinson disease attempt regenerate dopaminergic neuron substantia nigra stem cell place central nervous system similar stem cell base therapy context spinal cord injury stroke attempt regenerate function central nervous system limited result figure 7.6 basal ganglia substantia

central nervous system limited result figure 7.6 basal ganglia substantia nigra midbrain black release dopamine activate region basal ganglia blue red yellow note connection schizophrenia psychosis cause excess dopamine parkinson disease cause deficit dopamine antipsychotic medication lead parkinsonian effect like muscle rigidity flattened affect medication parkinson disease lead psychotic effect hallucination delusion mcats concept check 7.3 assess understanding material question 1 hormone neurotransmitter concentration elevate depression one reduce 2 provide example genetic factor appear increase risk alzheimer disease 3 dopamine level relate schizophrenia content cover chapter allow score point mcats prepare clinical clerkship psychiatry chapter unique cover mind normally work chapter book mind work function abnormally mcats test critical thinking common way ask happen system like mind function normally chapter cover high yield information likely appear mcats connect subject psychological social biological foundations behavior section chapter away individual begin explore social psychology continue expand outward review content test knowledge critical thinking skill complete test like passage set online resource biomedical approach psychological disorder take account physical medical cause psychological disorder treatment approach biomedical nature biopsychosocial approach consider relative contribution biological psychological social component individual disorder treatment fall area diagnostic statistical manual mental disorders diagnose psychological disorder current version dsm-5 publish 2013 categorize mental disorder base psychological disorder especially anxiety depressive substance use disorder common population type psychological disorders

schizophrenia prototypical disorder psychosis feature contain positive negative symptom positive symptom add behavior cognition affect include delusion hallucination disorganized speech negative symptom loss behavior cognition affect include disturbance affect avolition depressive disorder include major depressive disorder dysthymia seasonal affective disorder major depressive disorder contain major depressive persistent depressive disorder dysthymia presence depressive symptom year meet criterion major depressive disorder bipolar relate disorder manic hypomanic episode bipolar disorder contain manic episode bipolar ii disorder contain major depressive episode hypomanic episode cyclothymic disorder describe

disorder contain major depressive episode hypomanic episode cyclothymic disorder describe period manic depressive symptom severe label episode symptom persist 2 year present majority time anxiety disorder capture condition excessive fear anxiety impair daily function anxiety disorder differentiate stimulus induce anxiety specific phobia irrational fear specific object situation separation anxiety disorder anxiety separation caregiver ideation separate caregiver patient harm social anxiety disorder anxiety social performance situation ideation patient negatively selective mutism disorder impairment speech situation speak expect panic disorder mark recurrent panic attack intense overwhelming fear sympathetic nervous system activity clear stimulus lead agoraphobia agoraphobia fear place situation hard individual escape generalized anxiety disorder disproportionate persistent worry different thing month obsessive compulsive disorder relate disorder characterize perceive need obsession preoccupation pair action meet need compulsion obsessive compulsive disorder characterize obsession persistent intrusive thought impulse compulsion repetitive task relieve tension cause significant impairment person life body dysmorphic disorder characterize unrealistic negative evaluation appearance specific body individual take extreme measure correct perceive imperfection hoarding disorder characterize reluctance give physical possession behavior associate excessive acquisition physical item posttraumatic stress disorder ptsd characterize intrusion symptom relive event flashback nightmare avoidance symptom



avoidance people place object associate trauma negative cognitive symptom amnesia negative mood emotion arousal symptom increased startle response irritability anxiety symptom explain behaviorist perspective dissociative disorder include dissociative amnesia dissociative identity disorder depersonalization derealization disorder dissociative amnesia inability recall past experience underlie neurological disorder severe form involve dissociative fugue sudden change location involve assumption new identity dissociative identity disorder occurrence personality control person behavior depersonalization derealization disorder involve feeling detachment mind body environment somatic symptom relate disorder involve significant bodily somatic symptom disorder involve somatic symptom link underlie medical condition cause disproportionate concern illness anxiety disorder preoccupation thought have come medical condition conversion disorder involve unexplained symptom affect motor sensory function associate prior trauma

involve unexplained symptom affect motor sensory function associate prior trauma personality disorder pd pattern inflexible maladaptive behavior cause distress impaired functioning follow cognition emotion interpersonal functioning impulse control occur cluster odd eccentric b dramatic emotional erratic c anxious fearful cluster include paranoid schizotypal schizoid pd cluster b include

antisocial

borderline histrionic narcissistic pd cluster c include avoidant dependent obsessive compulsive paranoid pd involve pervasive distrust suspicion schizotypal pd involve idea reference magical thinking schizoid pd involve detachment social relationship antisocial pd involve disregard right borderline pd involve instability relationship mood self- image splitting characteristic recurrent suicide attempt histrionic pd involve constant attention seek behavior narcissistic pd involve grandiose sense self importance need admiration avoidant pd involve extreme

shyness fear rejection dependent pd involve continuous need reassurance obsessive compulsive pd involve perfectionism inflexibility preoccupation rule biological basis nervous system schizophrenia associate genetic factor birth trauma adolescent marijuana use family history high level depression accompany high level glucocorticoid low level norepinephrine serotonin dopamine bipolar disorder accompany high level norepinephrine serotonin highly heritable alzheimer disease associate genetic factor brain atrophy decrease acetylcholine senile plaque  $\beta$  amyloid neurofibrillary tangle hyperphosphorylated tau protein parkinson disease associate bradykinesia rest tremor pill roll tremor masklike face cogwheel rigidity shuffle gait decrease production dopamine cell answers concept check 1 biomedical model consider physical pathological mechanism underlie mental illness biopsychosocial model consider contribution biological factor psychology thought emotion behavior social situation environment social class discrimination stigmatization 2 following disorder occur great 2 percent united states population year specific phobia social anxiety disorder major depressive disorder posttraumatic stress disorder bipolar disorder generalized anxiety disorder 1 positive symptom schizophrenia include delusion hallucination usually auditory disorganized thought disorganized behavior likely improve treatment antipsychotic medication negative symptom include disturbance affect avolition largely unaffected 2 major depressive episode include week duration following symptom depressed mood loss interest anhedonia sleep disturbance feeling guilt lack energy difficulty concentrate change appetite psychomotor symptom suicidal thought symptom depressed mood anhedonia manic episode include week duration following symptom elevated expansive mood distractibility decrease need sleep grandiosity flight idea race thought agitation pressured speech engagement risky 3 major depressive

disorder contain major depressive episode manic episode bipolar disorder manic episode depressive episode bipolar ii disorder hypomanic episode major depressive episode cyclothymic disorder hypomanic episode dysthymia severe major depressive episode 4 obsession persistent

intrusive thought impulse produce tension case obsession patient thought break apartment  
compulsion repetitive task relieve tension cause significant impairment person life patient  
compulsion have check latch apartment door time go bed relationship obsession raise tension  
compulsion relieve tension odd eccentric emotional erratic anxious fearful 1 depression level  
cortisol increase neurotransmitter level reduce include norepinephrine serotonin dopamine 2  
mutation presenilin gene chromosome 1 14  $\beta$  amyloid precursor protein gene chromosome  
21 associate increase risk alzheimer disease 3 dopamine level elevate schizophrenia reduce  
parkinson disease treatment disorder cause symptom similar science mastery assessment  
negative symptom absence normal desire behavior include disturbance affect avolition  
positive symptom addition abnormal behavior include hallucination disorganized behavior b  
delusion d echolalia involuntary repetition word utterance see schizophrenia echopraxia b  
imitation action loosening association c type disordered thought patient move remotely  
related idea neologism d newly focus detail love routine have sense right way thing lack  
humor suggest obsessive compulsive depression mark period week patient cardinal symptom  
depressed mood lack interest anhedonia decrease need sleep commonly see n manic episode  
appear depression sleep disturbance cardinal symptom depressed individual suicidal s b old  
individual depression manifest anhedonia feeling sadness invalidate d doctor biomedical  
approach focus biological cause patient symptom furthermore treatment enter patient doctor  
direct therapy combination approach therapy match b correct answer contrast doctor  
biopsychosocial approach likely consider patient recent stress associate accelerated program  
and lack support structure potential cause depression additionally treatment biopsychosocial  
approach include indirect therapy focus increase social support dissociative fugue  
characterize sudden travel change normal day-to-day activity occur case

sudden travel change normal day-to-day activity occur case dissociative amnesia symptom  
include inability recall past confusion identity describe patient likely suffer dissociative amnesia  
accompany dissociative fugue agoraphobia fear place situation difficult escape commonly see

panic disorder concern have panic attack public individual fearful leave home phobia affect approximately 9 population mean average 9 n 100 individual sort phobia sample 50 people 4 people need exclude assume sample representative large population d correct symptom list indicate major depressive episode depressive episode bipolar disorder contain manic episode manic episode ask distinguish depression bipolar disorder correct diagnosis determine patient major depressive disorder bipolar disorder presence manic hypomanic episode confirm bipolar disorder contain manic hypomanic episode major depressive disorder correct answer statement relevant alzheimer disease choice b decrease abundance serotonin norepinephrine describe monoamine theory depression neurochemical change know risk factor diagnostic criterion alzheimer disease make b correct answer remain choice risk factor diagnostic criterion alzheimer disease choice describe increase risk alzheimer disease individual syndrome gene  $\beta$  amyloid precursor chromosome 21 choice c d describe biological marker alzheimer disease plitte consideration good bad characteristic borderline personality disorder conversion disorder mark motor sensory symptom absence underlie physical neurological cause associate inciting event case argument family member patient lack concern deficit refer la belle symptom indicate patient likely parkinson disease disease cause decrease dopamine production substantia nigra bipolar disorder show highly heritable associate increase level norepinephrine serotonin brain bipolar disorder diagnose single manic episode require major depressive episode bipolar ii disorder require hypomanic episode major depressive episode cyclothymic disorder contain at least hypomanic episode dysthymia consult online resource additional practice behavioral sciences chapter 1 biology behavior behavioral sciences chapter 3 learning memory behavioral sciences chapter 12 biology chapter 4 nervous system biology chapter 5 endocrine system biology chapter 12 genetics evolution social processes attitude science mastery

biology chapter 12 genetics evolution social processes attitude science mastery assessment pre med know feeling content know mcat know important high yield badge book help identify

important topic science mastery assessment tool mcat prep arsenal quiz take online resource  
guidance help ensure spend appropriate time chapter base personal strength weakness worry  
skip mean study later prep complete length test uncover specific piece content need review  
come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read  
chapter limited note follow review quiz question ensure understand solve answer 8–11  
question correctly spend 20–40 minute review quiz question begin question miss read note  
correspond subchapter question answer correctly ensure thinking match explanation  
understand choice correct incorrect answer 12–15 question correctly spend 20 minute review  
question quiz miss include quick read correspond subchapter relevant content subchapter  
question review question answer correctly ensure thinking match explanation review concept  
summary end chapter 1 behavior individual stanford prison experiment well explain following  
term i. bystander effect iv social loafing a. b. iii c. ii iii d. ii iv 2

jury member initially feel strict penalty place defendant vote strict penalty deliberation jury  
member behavior well describe social phenomenon a. social facilitation b. group polarization  
3 following decrease likelihood bystander lend aid victim a. increase number people room b.  
increase degree danger experience victim c. make victim acquaintance instead d. room victim  
4 groupthink member group following a. stereotype member outside group b. withhold  
opposing view c. ignore warning idea group d. create sense negativity risk taking 5 adult  
prison system attempt change behavior inmate following mechanism socialization a. primary  
socialization b. secondary socialization c. anticipatory socialization 6 neighbor ask collect mail  
town agree later day ask water plant technique compliance scenario a. lowball technique b.  
that' technique c. foot door technique d. door face technique 7 following statement represent  
affective component a. love action movie b. go new action movie theater c. action movie well  
comedy d. tomorrow go rent action movie 8 sit lecture determine professor bad teacher base  
professor unprofessional attire monotone speech example type processing a. knowledge  
route processing b. adaptive route processing c. central route processing d. peripheral route

processing 9 milgram shock experiment subject willing maximal voltage shock influence psychological 10 individual group teenager ask estimate height tree individual estimate height 25 foot discuss group convince height likely close 40 foot type conformity see 11 follow component functional attitude theory c. ego defense d. ego expression 12 swimming time member swim team track six- month period team practice public meet 14 16 member time clock meet social phenomenon evidence support a. social facilitation b. peer pressure d. group polarization 13 18 year old complete final month high school begin wake early day run mile preparation join army type socialization young person experience a. normative socialization b. informative socialization d. anticipatory socialization 14

follow well reflect difference social action a. social action refer positive change make society social interaction refer route change occur b. social action refer effect group individual behavior social interaction refer effect multiple individual c. social action refer change behavior cause internal factor social interaction refer change behavior cause external factor d. social action refer change behavior benefit individual social interaction refer change behavior benefit 15 group setting mentality representative factor groupthink a. illusion invulnerability b. illusion morality c. pressure conformity social process attitude chapter 8.1 group psychology agent socialization deviance stigma conformity compliance obedience 8.3 attitude behavior component attitude theory attitude content chapter relevant

9 question behavioral science mcat chapter cover material following aamc content 7a individual influence behavior 7b social process influence human behavior 7c attitude behavior change renowned italian painter sculptor michelangelo buonarroti state sculptor simply release uncover ideal figure hide stone idea lead psychologist sociologist describe know michelangelo phenomenon concept self intrapersonal self idea individual ability trait belief interpersonal self manner influence creation ideal self michaelangelo phenomenon close relationship individual sculpt individual skill trait development occur individual perception

behavior response chapter learn social process interaction develop self behavior attitude individual highly influence people interact society live culture immerse human naturally social creature learn behave react base relationship experience follow page depth look way behavior affect presence group process culture socialization attitude form impact 8.1 group psychology chapter 8.1 able describe social facilitation deindividuation bystander effect social loafing peer pressure compare contrast group polarization groupthink distinguish assimilation multiculturalism understand social process interaction long goal sociologist notably max weber sociologist study interaction weber attempt understand describe social action define action behavior individual perform modulate idea human behave different way base social environment behavior affect individual predict negative reaction modify social action contrast social interaction social action consider individual surround examine social interaction look behavior action individual account observe people tend perform well simple task presence tendency know social facilitation support idea people naturally exhibit performance response know watch presence necessarily constitute evaluation theory suggest performance spark perceive evaluation individual perform accord yerkes dodson law social facilitation presence significantly raise arousal enhance ability perform task good simple task hinder performance familiar task complex task example expert pianist perform well concert practice session limited knowledge music perform worse social setting demonstrate figure 8.1 figure 8.1 yerkes dodson law note difference figure 5.2 chapter 5 mcat behavioral sciences review figure 8.1 figure 5.2 focus solely new

behavioral sciences review figure 8.1 figure 5.2 focus solely new familiar task figure 8.1 include simple task adversely affect heighten arousal social facilitation reflect idea performance solely influence individual ability social environment awareness environment deindividuation describe loss self awareness group setting associate adoption group orient identity phenomenon call mob mentality individual group lose sense moral judgment follow action group explain phenomenon social psychologist cite group cohesion individual anonymity

factor impact deindividuation individual relate group sport team political affiliation likelihood person adopt group identity increase addition group setting increase anonymity diffuse sense individual responsibility action group group anonymity increase strength deindividuation apply real world deindividuation lead antinormative behavior behavior socially acceptable social circumstance behavior norm commonly cite example antinormative behavior context deindividuation violence see crowd riot large homogenous group postulate increase deindividuation effect particularly relative anonymity factor group size factor enhance group uniform mask show figure 8.2 figure 8.2 deindividuation mask uniform facilitate anonymity yerkes dodson law describe relationship stress sympathetic arousal performance social facilitation enhance ability perform task moderate level arousal arousal effect surround feel pressure perform pressure performance drop motivation stress discuss chapter 5 mcat behavioral sciences review bystander effect observe phenomenon occur social group individual intervene assist perceive need people present likelihood timeliness response inversely relate number bystander word people stand likely people help factor play bystander effect group people likely notice danger ordinary additionally group human cue people respond situation individual likely perceive situation threat emergency degree emergency perceive danger play role response low danger scenario bystander likely provide aid high danger scenario bystander likely intervene factor degree responsibility feel bystander determine competency bystander relationship risk individual( consider consider person( risk deserving aid finally cohesiveness group show influence responsiveness group stranger likelihood response speed response slow group acquaint violent 1964 murder kitty genovese outside home queens create

acquaint violent 1964 murder kitty genovese outside home queens create interest bystander effect murder lack response neighbor report newspaper

kitty reportedly cry attack apartment parking lot neighbor call window attacker leave attacker



leave return minute later find kitty barely conscious outside door genovese attack half hour ultimately die en route hospital 38 witness bystander report call police later investigation determine true misreport incident influential promote idea bystander effect social loafing refer tendency individual reduce effort group setting phenomenon apply context physical effort carry heavy object mental effort work group project initiative come solution sociology perspective peer individual regard equal social group peer pressure refer social influence place individual peer peer pressure exist age pressure come form include religious ideal appearance value sexual behavior positive negative certain type peer pressure benefit individual experience influence child social acceptance associate like social norm group regardless positive negative connotation adolescence peer play extremely important role determine lifestyle appearance social activity caregiver adult provide foundation development belief value peer important teenager independent parental figure pressure exert peer cause change behavior attitude belief conform norm group stress presence peer lead poor choice potentially facilitate risky behavior binge eating reckless driving violent activity change belief behavior peer pressure explain identity shift effect individual state harmony disrupt threat social rejection individual conform norm internal conflict behavior outside normal character individual eliminate sense internal conflict individual experience identify shift adopt standard group identity shift effect highlight large theme psychology cognitive dissonance simultaneous presence oppose thought opinion generally lead internal state discomfort manifest anxiety fear anger confusion individual try reduce discomfort change add minimize solomon asch conformity experiment show individual conform opinion hold group experiment male college student participate simple task perception study set individual observation presence confederate actor pretend experiment point study examine behavior individual influence confederate participant show card like figure 8.3 ask aloud line second card label b c match length line card prior experiment confederate

label b c match length line card prior experiment confederate secretly tell unanimously

respond correctly incorrectly question confederate answer correctly error rate real participant  
1 percent confederate answer incorrectly see real participant answer incorrectly time asch  
conclude individual provide answer know untrue avoid go group urge conformity outweigh  
desire provide correct answer figure 8.3 example card asch conformity mcats ask psychological  
experiment familiar landmark experiment social psychology example question refer asch  
conformity experiment include similar experiment direct reference ask draw conclusion  
content knowledge contrast social action social interaction explore way individual shape  
behavior include group process establishment culture group polarization describe tendency  
group collaboratively decision extreme individual idea inclination member group polarization  
lead risky cautious decision base initial tendency group member risk caution phenomenon  
show individual group form opinion extreme opinion reach isolation hypothesis underlie  
polarization initial idea tend extreme discussion group idea tend extreme concept originally  
term risky shift note group tend risky decision individual psychologist begin realize group shift  
caution term choice shift choice shift group polarization refer similar concept choice shift refer  
specifically measure change decision group interaction group polarization refer generally  
tendency group extreme conclusion decision result interaction group polarization explain real  
life scenario include policy making violence terrorism example member political party espouse  
ideal opinion group setting waver slightly issue kind polarization see jury deliberation case  
punitive damage monetary penalty certain behavior juror initially favor high punishment  
deliberate decide high punishment discussion social medium explode recent decade research  
show group necessarily need physically order polarization occur simply read idea social media  
site result extreme idea individual groupthink refer social phenomenon desire harmony  
conformity result group people come incorrect poor decision attempt eliminate minimize  
conflict group member consensus decision reach alternative idea assess case desire agree  
group cause loss independent critical thinking group begin isolate ignore

group cause loss independent critical thinking group begin isolate ignore external viewpoint

see idea correct question groupthink large impact group decision making influence variety factor include group cohesiveness group structure leadership situational context irving janis conduct research theory 1970 janis study effect extreme stress group cohesiveness result effect groupthink janis investigate decision making group lead disastrous american foreign policy decision include bay pigs invasion janis specifically examine factor indicative groupthink illusion invulnerability member encourage risk ignore possible pitfall optimistic collective rationalization member ignore express concern group approve idea illusion morality member believe idea produce group morally member believe idea produce group morally correct disregard evidence contrary excessive stereotyping member construct stereotype express outside opinion pressure conformity member feel pressured express opinion disagree group view opposition disloyal self censorship member withhold idea opinion disagree group illusion unanimity member believe decision judgment group disagreement exist mindguard member decide role protect group oppose view factor include illusion morality excessive stereotyping pressure conformity mindguard see figure 8.4 poster united states mccarthy era argue public health measure water fluoridation polio vaccine mental healthcare fear communist influence figure 8.4 groupthink see mccarthy era similar pattern thinking group arrive common extreme consensus underlie cultural phenomenon include riot fad mass hysteria antinormative behavior riot describe previously section deindividuation like groupthink share political social motivation urge group engage potentially violent destructive behavior fad behavior transiently view popular desirable large community fad include own certain object pet rock 1970s rubik cube 1980 pog 1990s engage certain behavior catchphrase alter clothing way engage particular type medium viral video finally mass hysteria refer share intense concern threat society mass hysteria feature groupthink collective rationalization illusion morality excessive stereotyping pressure conformity particular lead share delusion augment distrust rumor propaganda fear mongering notable historical case mass hysteria salem witch trial colonial massachusetts lead execution

case mass hysteria salem witch trial colonial massachusetts lead execution individual fear witchcraft bay pigs invasion cuban missile crisis janis case study jfk take white house administration inherit cia cuban invasion plan accept critique senator fulbright secretary schlesinger express objection ignore kennedy team time fulbright schlesinger start perform self- censorship invasion reveal inaccuracy cia plan include underestimation cuban air force assumption castro ability quell uprising culture define belief behavior action characteristic group society people culture learn live society observe behavior trait adopt culture pass generation generation culture individual think knowledge art expensive taste sociology consider people culture live society participate culture culture universal humanity animal exhibit purely instinctual behavior human variable behavior base culture reside example wolf parent care pup manner human parent vast difference caregiving culture child breastfeed year infant breastfeed mere month group multiple caregiver parent allow parent care child give culture belief correct way respond infant cry vary dramatically group instantly comfort cry child let cry belief hold individual typically base learn behavior expectation pressure group cultural difference include typical job common dwelling diet time day eat travel vacation travel outside society cultural difference dramatic refer culture shock discussion culture context social structure describe chapter 11 mcat behavioral sciences review assimilation multiculturalism cultural assimilation process individual group behavior culture begin resemble group mean group different culture begin merge assimilation integrate new aspect society culture old one transform culture society meld typically blend group generally power influence result trait culture display transformation primary factor assess degree assimilation immigrant community socioeconomic status geographic distribution language attainment intermarriage alternative assimilation creation ethnic enclave location usually neighborhood high concentration specific ethnicity show figure 8.5 common urban area name like chinatown little italy figure 8.5 ethnic enclave entrance chinatown sydney australia assimilation—(usually uneven merging culture melting pot multiculturalism celebration coexist culture cultural

uneven merging culture melting pot multiculturalism celebration coexist culture cultural mosaic multiculturalism know cultural diversity refer community society contain multiple culture ethnic group sociology perspective multiculturalism encourage respect celebrate cultural difference show figure 8.6 view enhance acceptance culture society contrast concept assimilation multiculturalism describe create cultural mosaic mixture culture ethnic group coexist society assimilationism describe create melting pot melt different element culture homogeneous culture figure 8.6 multiculturalism multiculturalism celebrate holiday festival harmony day australia show subculture refer group people culture distinguish primary culture belong study subculture symbolic attachment thing clothing music differentiate group majority subculture form base race gender ethnicity sexuality differentiate factor society subculture perceive negative subvert majority culture definition normalcy case counterculture subculture group gravitate identity odd majority culture deliberately oppose prevail social more mcat concept check 8.1 assess understanding material question 1 provide brief definition follow social 2 similarity difference group polarization groupthink 3 difference assimilation chapter 8.2 able distinguish conformity compliance obedience compare contrast primary secondary socialization describe compliance technique foot door door the- face lowball that' animal human use social experience learn acceptable behavior culture live sociologist psychologist use term socialization discuss process develop inherit spread norm custom belief individual gain knowledge skill habit behavior necessary inclusion society widely hold view society accept viewpoint generally adopt majority individual society belief custom cultural norm pass generation society process call cultural transmission cultural learning spread norm custom belief culture occur call cultural socialization categorize primary socialization occur childhood initially learn acceptable action attitude society primarily observation caregiver adult close proximity child set stage future socialization provide foundation create personal opinion secondary socialization process learn appropriate behavior small section large society type socialization occur outside home base learn rule specific social environment example behavior necessary thrive school different home setting

acceptable sport field church secondary socialization typically associate

home setting acceptable sport field church secondary socialization typically associate  
adolescent adult include small change refinement behavior establish primary socialization  
secondary socialization occur move new region change school profession anticipatory  
socialization process person prepare future change occupation live situation relationship  
premedical student shadow physician assimilate practice appropriate behavior expectation  
day doctor example anticipatory socialization resocialization process discard old behavior  
favor new one typically intensive retraining positive negative connotation method member  
armed force train obey order command hesitation prime example resocialization attract  
indoctrinate member cult cult mainstay medium today doomsday cult term refer group  
prophecy catastrophe apocalypse attempt bring december 2012 nearly 1000 member chinese  
cult church almighty god arrest broadcast fear apocalypse encourage overthrow communist  
party sociologist define norm societal rule define boundary acceptable behavior more widely  
observe social norm norm law provide mechanism regulate behavior individual group serve  
means social control penalty misconduct reward appropriate behavior call sanction maintain  
social control negative sanction punish behavior deviate norm positive sanction reward  
behavior comply norm sanction categorize formal informal formal sanction enforce formal  
social institution like government employer include receive promotion positive jail sentence  
negative contrast informal sanction enforce social group informal sanction include allow sit  
particular table school cafeteria positive exclusion social group negative norm provide sense  
appropriate consider taboo socially unacceptable disgusting reprehensible norm exist  
behavior speech dress home life differ group society different culture example americans tend  
extraverted talkative stranger japanese culture teach show oneself public setting sign  
weakness quiet person eye contact odd america fit perfectly japan folkway norm refer  
behavior consider polite particular social interaction shake hand sport match see figure 8.7  
figure 8.7 folkway act simple shake hand sporting match example folkway agent socialization

society important learn social norm value call agent socialization child primary agent socialization caregiver parent family member direct family remain important

agent socialization caregiver parent family member direct family remain important agent socialization adolescent social circle include friend peer teacher important agent adult colleague boss act agent socialization aside personal relationship environment agent socialization example enter college teenager experience complete lifestyle change nearly constant interaction people age new environment create shift acceptable behavior include late night friend night study session enter workforce change environment lead socialization organization ethnic background religion government play role learn behavior important agent socialization geography national regional neighborhood level dictate norm behavior acceptable behavior downtown manhattan identical acceptable behavior rural montana study publish 2002 examine link television violence study researcher follow 707 subject 17 year study subject watch hour tv day approximately time likely act aggressively later life watch hour tv watch hour tv day nearly 30 involve assault robbery aggressive behavior interesting link remember show correlation causation furthermore medium important agent socialization influence accept particular society popular culture i.e. common trend belief prevalent give point time heavily influence medium medium determine consider important particular society mass medium commonly access television radio newspaper internet deliver impersonalized communication vast audience establish trend american international popular culture agent socialization summarize figure 8.8 figure 8.8 agent socialization deviance stigma deviance refer violation norm rule expectation society important note term deviant associate strongly negative connotation sociological context simply refer act go societal norm deviance vary severity simple jaywalking commit murder deviance include act meet disapproval large society mental illness long stigmatize american society slowly change potential stigma associate mental health diagnosis continue hurdle patient seek receive care common psychological disorder discuss chapter 7 mcat behavioral sciences social stigma extreme disapproval dislike

person group base perceive difference rest society deviation norm include difference belief ability behavior appearance certain medical condition hiv achondroplasia dwarfism obesity stigmatize stigma spread affect associate particular individual example

dwarfism obesity stigmatize stigma spread affect associate particular individual example family member allege convict murderer rapist stigmatize stigma evolve time divorce stigmatize early twentieth century long strong negative deviance stigmatization reputation strongly link labeling theory theory posit label give person affect respond person affect person self- image label lead channeling behavior deviance conformity example member society label person criminal label lead criminality change behavior line accept society instance resist label particularly label perceive negative group embrace deviant label biker gang example utilize labeling enhance perception subgroup internalize label assume role imply label lead assume role take person identity phenomenon know accord differential association theory deviance particularly criminal behavior learn interaction theory intimate exposure engage deviant behavior lay groundwork people engage deviant behavior people likely come contact norm abide individual differential association degree surround ideal adhere social norm vs. ideal theory association engage deviant behavior numerous intense engage normative behavior individual begin gravitate deviant behavior common language describe having fall wrong finally strain theory attempt explain deviance natural reaction disconnect social goal social structure common example strain theory american dream refer acquire wealth personal stability achievement hard work american dream consider desirable social goal structure society unable guarantee education opportunity need achieve goal citizen deviant behavior theft arise attempt achieve social goal outside limit deviance associate negative behavior crime functional theorist argue necessary social order theorist argue deviance provide clear perception social norm acceptable boundary encourage unity society promote social change conformity compliance obedience deviance define go societal norm conformity compliance obedience manner adhere social expectation request conformity



match attitude belief behavior group societal norm pressure conform real imagine actual pressure perceive pressure expectation conformity know majority influence asch experiment describe early show strength social influence normative conformity desire fit group fear rejection distinct type conformity include internalization identification internalization involve

fear rejection distinct type conformity include internalization identification internalization involve change behavior fit group privately agree idea group identification refer outward acceptance idea personally take idea internalization identification deal accept idea internalization reflect change internal thought agree idea identification acceptance idea surface level classic experiment look internalization philip zimbardo stanford prison experiment zimbardo advertise role play experiment recruit 21 male college student study participant randomly assign role prisoner guard prisoner arrest home take prison create stanford university psychology building guard issue uniform include whistle handcuff dark glass prevent eye contact prisoner guard quickly fall role display related behavior immediately guard begin taunt harass prisoner appear enjoy role prisoner adopt new role take prison rule seriously dependent guard guard aggressive prisoner submissive attempt mount revolt study end day guard begin physically abuse prisoner severely ethical concern raise study end zimbardo interview participant guard prisoner internalize role shock behavior experiment likelihood conformity differ culture instance individualist culture tend value independent thought unique idea likely conform collectivist culture group mentality supersede individual type society tend recent year design flaw stanford prison experiment come light include sampling bias ethical concern lack control active participation experiment zimbardo compliance change behavior base direct request person group ask individual change typically actual power authority command individual ask individual change behavior notable technique gain compliance particularly marketing arena foot in- door technique begin small request gain compliance large request example scenario fellow classmate ask borrow note miss class agree offer share note class session later day student ask willing copy note people agree point

request open door continue compliance technique call door face technique opposite foot door technique large request refuse second small request small request actual goal requester technique fellow student ask copy note class bring class deny request student follow small request ask borrow note personal

deny request student follow small request ask borrow note personal copy second reasonable request grant common method achieve compliance lowball technique technique requestor initial commitment individual raise cost commitment important note cost need include money include effort time example technique scenario ask boss head committee time commitment hour month meeting agree head committee later discover commitment include write report meeting quarterly presentation technique gain compliance that' technique method individual offer make decision tell deal well expect method frequently see infomercial offer earring stunningly low price \$ 19.99 wait buy receive match necklace normal retail value \$ 49.99 absolutely free compliance deal request people

actual authority individual obedience change behavior response direct order expectation express authority figure classmate authority demand note authority figure social power individual instance teacher demand hand note class obey comply people far likely obey comply real perceive social power individual notable obedience experiment series conduct stanley milgram classic set study milgram claim recruit participant study test effect punishment learn behavior participant

tell randomly assign teacher learner learner actually pay actor confederate teacher tell control electrical panel administer shock learner mistake prior give shock teacher give sample 45 teacher tell need increase voltage 15 v time incorrect response give learner receive actual shock provide script tell pain ask stop experiment scream feign pass learner act uncomfortable teacher willing increase shock voltage increasingly demanding language

continue choice researcher able 65 percent participant administer milgram researcher surprise level obedience participant show experiment type experiment repeat time consistently show 60 percent people obey wish continue mcat concept check 8.2 assess understanding material question 1 difference primary secondary 2 conformity compliance obedience 3 compliance technique list provide brief description 8.3 attitude behavior chapter 8.3 able recall component attitude describe functional area functional attitude theory identify role central route peripheral route processing elaboration likelihood model recall interactive factor bandura triadic reciprocal social cognition focus way people think idea impact behavior attitude way perceive impact way behave component attitudes attitude expression positive negative feeling person place thing scenario attitude develop experience affect opinion behavior prior meet past experience information influence attitude primary component attitude affective behavioral cognitive affective component attitude refer way person feel emotional component attitude snake scare love family affective expression attitude behavioral component attitude way person act respect example avoid snake spend time family reflect behavioral component attitude describe early finally cognitive component attitude way individual think usually justification component snake example know snake dangerous venomous provide reason afraid avoid component attitude abc theory attitudes functional attitude theory state attitude serve function knowledge ego expression adaptation ego defense knowledge function summarize follow attitude help provide organization thought experience know attitude help predict behavior example predict individual care political action vote upcoming election attitude facilitate ego expressive allow communicate solidify self identity instance person strongly identify

expressive allow communicate solidify self identity instance person strongly identify sport team person wear team hat identify have positive attitude team adaptive attitude idea express socially acceptable attitude lead acceptance example person declare social group enjoy popular movie help build social bond lastly attitude ego defensive protect self esteem justify

action know wrong example child difficulty learn theory posit attitude develop different form learning direct contact object attitude influence attitude object example child form positive attitude sweet immediately taste direct instruction influence attitude instance child teach caregiver use curse word form negative attitude curse word indirectly negative attitude use curse word attitude influence attitude example teenager begin positive attitude smoking notice friend smoke finally attitude form classical conditioning operant conditioning observational learning discuss chapter 3 mcat behavioral elaboration likelihood model theory attitude formation attitude change separate individual continuum base process persuasive information extreme elaborate extensively think deeply information scrutinize meaning purpose draw conclusion decision base analysis deep thinking manner refer central route processing attempt influence attitude use information appeal central route processing attempt say central route persuasion scientific paper example attempt influence attitude use central route processing extreme elaborate focus instead superficial detail appearance person deliver argument catchphrase slogan credibility type processing know peripheral route processing attempt influence attitude appeal peripheral route processing attempt say peripheral route persuasion advertisement logo contain visually appealing image example attempt influence attitude use peripheral route persuasion contrast type processing consider voter watch inform charismatic politician speak voter sway cogent argument politician illustrate high elaboration central route processing voter sway perception speaker likable good person illustrate low elaboration

peripheral route processing individual fall middle continuum degree elaborate information vary depend specific situation central route processing high elaboration)—scrutinizing analyze content persuasive information peripheral route processing low elaboration)—focusing superficial detail

persuasive information appearance catchphrase slogan credibility social cognitive theory

postulate people learn behave shape attitude observe behavior accord theory behavior learn  
trial error develop direct observation replication action learning influence personal factor  
thought behavior environment behavior observe factor behavior personal factor environment  
independent concept influence show bandura triadic reciprocal causation figure 8.9 example  
work ethic employee company behavior affect hard colleague work previous attitude hard  
work personal system infrastructure company environment reciprocally behavior create  
change employee attitude work personal system company environment figure 8.9 bandura  
triadic reciprocal causation behavioral science guide example expert corporate researcher  
conduct longitudinal study gym member location second week january consecutive year  
participant engage short series physical activity measurement assess physical fitness respond  
question attitude fitness participant present year receive consistent low score physical fitness  
measure associate follow low self report gym attendance low perceive value exercise low  
express regard give context specific set belief involve time motivation low attend gym  
frequency great visit week participant report high level seasonal motivation new year  
response datum gym owner establish social media group devote create small local workout  
group meet 3–4 day week regular check in member invite gym attendee demographic set  
social psychology sound like gym owner try positive peer pressure group receive consistent  
low score physical fitness measure respond new initiative choose participate result year study  
inform prediction adherence 3–4 day week workout plan writer mcat hint concept passage  
question stem ask question recognize apply concept situation describe want familiar content  
question tell story mention specific example oh order answer question go dive scenario  
identify factor influence behavioral outcome paragraph gym member maintain low level  
fitness low gym attendance year remind attribution theory consistent behavior tend  
dispositional situational explanation despite finding high seasonal motivation engage exercise  
likely group individual shape attitude work nervous people judge gym

likely group individual shape attitude work nervous people judge gym enjoy lift weight

situational barrier prefer gym renovate super busy year word attribution instead happen hint direction finding low regard people attend gym regularly cause effect relationship set finding past behavior difficult assess information provide differ participant thought gym enthusiast influence avoidance gym effort adopt similar behavior inability gym regularly influence attitude order protect thing different year thank creation new fitness group gym owner subset group participant join group people go gym hold accountable identify specific social phenomenon soon read sentence peer pressure identify important information scenario return question question ask information group participant predict behavior factor social-cognitive theory social cognitive theory say thing influence learn attitude express group likely stick work take step change environment opt join new peer group make likely behavior change impossible tell influence win possible put new environment change behavior fact change attitude time accepting people include gym short answer data group indicate possible disposition make likely consistently work gym compete influence gym apply base peer pressure mcat passage tend describe experiment scenario drop sentence short phrase hint related scientific content question well recognize content ready answer question quickly correctly feel like need scour passage single concept appear mcat concept check 8.3 assess understanding material question 1 component attitude 2 functional area functional 3 route processing explain elaboration likelihood model associate high 4 interactive factor bandura triadic human behavior learn influence simply lead change behavior act pressure lead change behavior people crave acceptance inclusion group lead change thought process decision making social norm learn experience observation reject individual lead deviance stigmatization need fit lead conformity compliance obedience attitude develop observation experience interaction explain specific method formation chapter focus primarily group influence individual behavior chapter look structure group present large society explore method communication individual

look structure group present large society explore method communication individual verbal

nonverbal consider encourage gain certain impression review content test knowledge critical thinking skill complete test like passage set online resource social facilitation describe tendency people perform different level base fact deindividuation loss self awareness large group lead drastic change behavior bystander effect describe observation group individual likely respond person need peer pressure refer social influence place individual consider equal group decision making differ individual decision making group polarization tendency make decision group extreme thought individual groupthink tendency group decision base idea solution arise group consider outside idea ethics disturb pressure create conform remain loyal group culture describe belief idea behavior action characteristic group society people assimilation process group individual culture begin melt culture multiculturalism refer encouragement multiple culture community enhance diversity subculture refer group people culture distinguish primary culture socialization process develop spread norm custom belief norm determine boundary acceptable behavior agent socialization include family peer school religious affiliation group promote socialization stigma extreme disapproval dislike person group base perceive difference rest society deviance refer violation norm rule expectation conformity change belief behavior order fit group compliance occur individual change behavior base request method gain compliance include foot- door technique door face technique lowball technique that' technique obedience change behavior base command see authority figure attitude behavior attitude tendency expression positive negative feeling evaluation affective behavioral cognitive component attitude functional attitude theory state functional area attitude serve individual life knowledge ego expression adaptability ego defense learning theory state attitude develop form learning direct contact direct interaction direct instruction elaboration likelihood model state attitude form change different route information processing base degree elaboration central route processing peripheral route social cognitive theory state attitude form observation behavior personal factor environment answer concept check 1 social facilitation describe tendency people perform different

concept check 1 social facilitation describe tendency people perform different level base fact  
deindividuation idea people lose sense self- awareness act dramatically different influence  
group bystander effect describe observation individual likely respond person need group  
social loafing refer decrease effort see individual group peer pressure refer social influence  
place individual consider equal 2 group polarization groupthink social process occur group  
decision group polarization tendency extreme decision group groupthink tendency group  
decision base idea solution arise group consider outside idea give pressure conform remain  
loyal group 3 society contain multiple culture exhibit multiculturalism assimilation assimilation  
process multiple culture begin merge typically unequal blending idea belief multiculturalism  
refer idea multiple culture encourage respect culture dominant overall 1 primary socialization  
refer initial learning acceptable behavior societal norm childhood facilitate caregiver adult  
secondary socialization refer learn norm specific subgroup situation adolescence adulthood 2  
conformity change belief behavior order fit group society compliance occur individual change  
behavior base request wield authority individual obedience change behavior request authority  
figure 3 foot door technique refer ask favor increase size subsequent request door in- face  
technique refer make large request refuse make small request lowball technique refer gain  
compliance reveal cost money effort time favor that' technique refer increase reward request  
individual chance decision 1 component attitude affective behavioral 2 functional area  
functional attitude theory knowledge ego expression adaptation ego defense 3 route  
processing explain elaboration likelihood model central route processing peripheral route  
processing central route processing associate 4 interactive factor bandura triadic reciprocal  
causation behavior personal factor environment science mastery assessment fulfil particular  
role individual behavior character changing behavior internal idea match group call  
internalization conformity key experiment experiment involve deindividuation loss self-  
identity group setting lead antinormative violent fact individual opinion extreme group  
discussion explain group polarization jury member initially feel strict penalty give opinion  
extreme



polarization jury member initially feel strict penalty give opinion extreme conversation rest group observe increase number bystander decrease likelihood aid victim increase degree danger experience victim b make victim acquaintance instead stranger c room victim d increase likelihood bystander help victim groupthink member perform action describe answer choice create sense negativity risk taking fact optimism encouragement risk taking groupthink primary socialization teaching acceptable action attitude childhood occur early adult prison system resocialization d process change behavior discard old routine pattern transition new behavior necessary life change prison environment design change unlawful behavior desire behavior make incorrect choice enter prison inmate undergo secondary socialization b learn rule specific social environment prison finally inmate incarcerate life attempt anticipatory socialization c release inmate preparation life outside prison prime example foot door technique neighbor ask small favor receive commitment ask large affective component attitude consist feeling emotion peripheral route processing deal process information base content instead superficial parameter bore speech pattern appearance speaker central route processing c processing information analysis content milgram shock experiment show individual obey order authority figure comfortable task hand conformity compliance c d deal change individual behavior base request authority figure internalization refer type conformity individual change outward opinion match group personally agree functional area functional attitude theory knowledge adaptability ego expression ego defense acceptance group influence attitude opinion functional 14 16 member record time obtain public meet fact team member perform well crowd support notion social facilitation young person prepare spend time new social setting process prepare future change environment consider social action well describe effect group individual behavior include social facilitation deindividuation bystander effect social loafing peer pressure social interaction describe individual influence behavior include group polarization groupthink place speak unspoken expectation individual agree idea group well describe pressure conformity consult online resource additional practice

## behavioral science chapter

pressure conformity consult online resource additional practice behavioral science chapter 5 motivation emotion stress behavioral science chapter 6 identity personality behavioral sciences chapter 9 behavioral science chapter 10 behavioral science chapter 11 social structure demographic physics math chapter 11 reasoning design execution research science mastery assessment pre med know feeling content know mcat know important high yield badge book help identify important topic science mastery assessment tool mcat prep arsenal quiz take online resource guidance help ensure spend appropriate time chapter base personal strength weakness worry skip mean study later prep complete length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read correspond subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept summary end chapter 1 following well describe sociological definition status a. emotional state social interaction b. expectation associate specific title society c. position society classify individual d. means describe peer 2 college graduate require hard work diligence academic college graduate consider a(n a. ascribe status b. achieve status c. master status d. cardinal status 3 bureaucracy specific example a(n a. immediate network b. primary group d. reference group 4 following characteristic bureaucracy a. rigidly define work procedure b. requirement official hold advanced degree c. regular salary increase d. election constituent 5 follow form verbal communication a. facial expression b. eye contact c. write text d. body language 6 follow well describe impression management strategy align action a. adhere behavior

well describe impression management strategy align action a. adhere behavior expect give role society b. relieve tension bring hold conflicting view head c. provide socially acceptable reason explain unexpected behavior d. dictate member group follow similar practice 7

phone friend say good friend let borrow bike friend impression management strategy a. manage appearance 8 follow example gesellschaft a. large corporation b. small rural neighborhood c. member family d. ethnic enclave large city 9 culture consider taboo sadness funeral culture wail cry loudly expect culture differ a. characteristic institution b. display rule c. authentic self d. peer group 10 following dimension system multiple level observation group symlog a. friendliness vs. unfriendliness b. dominance vs. submission c. conformity vs. contrast d. instrumentally controlled vs. emotionally expressive 11 political campaign ad focus expose oppose candidate negative characteristic dramaturgical approach describe a. bring stage self stage b. bring stage self stage c. remove stage self d. remove stage self 12 context impression management follow self similar ought self a. ideal self b. tactical self c. authentic self d. present self 13 evolutionary role emotion support model(s emotional expression a. basic model b. social construction model c. basic model social construction model d. basic model social construction model 14 follow example intraspecific animal communication a. dog bark stranger enter house b. anglerfish use bioluminescent appendage attract prey c. bat echolocation detect surround environment d. cat use scent gland mark territory cat 15 primary group differ secondary group a. primary group shorter live secondary group b. primary group large secondary group c. primary group form strong bond secondary group d. primary group assign secondary group choose chapter 9.1 element social interaction 9.2 self presentation interact express detect emotion verbal nonverbal communication animal signal communication content chapter relevant 7 question behavioral science mcat chapter cover material following aamc content 7b social process influence human behavior

8c social interaction day present interact society interact number way emotional expression verbal communication cultural norm interact nonhuman animal day day basis interaction complex meaningful emotional state life experience shape mold interaction know appropriate way connect member society 9.1 element social interaction chapter 9.1 able identify meaning social interaction term status role group network organization list type status provide example society develop necessity human being survive develop social interaction basis social life help human reach potential social interaction facilitate preexist commonality individual share understanding experience share language social interaction human society people view individual equal instead create hierarchical structure inequality material good social opportunity social acceptance skill wealthy impoverished talented sport admire like dislike stigmatize social status perceive position society classify individual premed student example consider status status exist relation status premed student meaning status compare medical student resident important note personal characteristic consider social status example left handed consider status key type status ascribe achieve master status ascribe status give involuntarily usually birth factor race ethnicity sex family background achieve status status gain result effort choice doctor person hold multiple status time collectively know status set master status status person identify status typically important status individual hold affect aspect person life generally people view hold symbolic value master status cause pigeonholing view individual lens master status regard personal characteristic president major type status ascribe give involuntarily base race ethnicity sex family background achieve gain result effort choice master status identify pervasive person status associate role set belief value attitude norm define expectation hold status role performance carrying behavior associate give role individual vary successful perform role example doctor role translate medical information language patient understand doctor far well skill role performance change depend social situation context interaction doctor interact pertinent part role different interact patient behavior expectation change result

pertinent part role different interact patient behavior expectation change result role partner  
person interact doctor role partner patient nurse patient relative doctor resident hospital  
administration role associate status refer role set life numerous status contain variety role  
additionally play role time complex nature status role set surprising conflict challenge  
uncertainty ambivalence arise try navigate expectation day day life role conflict difficulty  
satisfy requirement expectation multiple role role strain difficulty satisfy multiple requirement  
role role exit dropping identity great example role conflict single parent work time job role  
carry large set expectation odd major component social interaction involve group sociological  
term group know social group consist people share number similar characteristic sense unity  
simple social group call dyad people follow triad people group size increase group trade  
intimacy stability social group complex group individual happen physical space example  
people wait cross street crosswalk constitute social group common characteristic share social  
group include value interest ethnicity social background family tie political representation  
sociologist social interaction important characteristic strengthen social group center life social  
group camaraderie teammate complexity government social group meet need group provide  
opportunity belong accept offer protection safety support people learn earn living practice  
religion group group source conflict include discrimination persecution oppression war  
conflict sprout relationship group social group person experience sense belonging identify  
member group hand refer social group individual identify in- group form base variety identify  
characteristic include limit race culture gender religion profession education group compete  
oppose group create group conflict notably negative feeling group necessarily base sense  
dislike characteristic out- group base favoritism group absence favoritism group peer group  
group consist self select equal associate similar interest age status peer group provide  
opportunity friendship feeling belonging family group contrast self select determine birth  
adoption marriage join member age gender generation emotional tie family group fill

join member age gender generation emotional tie family group fill conflict time true

adolescence peer group begin compete family group time loyalty family group struggle cultural gap social difference generation speak different language important type group reference group group individual use standard evaluate example determine strong medical school applicant compare reference group medical school applicant primary secondary group group categorize primary secondary group primary group interaction member group direct close bond provide warm personal intimate relationship member group long period time include core circle friend tightly knit family member team secondary group interaction impersonal businesslike emotional bond goal accomplish specific purpose secondary group typically short period time form dissolve special significance involve example student work group project community society german sociologist ferdinand tönies

distinguish major type group theory know gemeinschaft und gesellschaft translate community society gemeinschaft community refer group unify feeling togetherness share belief ancestry geography family neighborhood example gemeinschaften gesellschaft society refer personal group form mutual self interest work goal company country example gesellschaften observe analyze group group size vary small size group people small group size like dyad triad allow individual present group interaction process analysis technique observe classify measure interaction small group 1970 revise system multiple level observation group symlog base belief fundamental dimension interaction dominance vs. submission friendliness vs. unfriendliness instrumentally control vs. emotionally extensive research group reveal group hold power member create group pressure ultimately shape member behavior call group conformity individual compliant group goal group goal direct contrast individual goal individual conform attempt fit accept group individual participate behavior normally groupthink relate group conformity occur member focus reach consensus cost critical evaluation relevant information lead group explore side issue limit group option view group member self- censor express belief extensive discussion effect group individual behavior social action group dynamic explore chapter 8 mcat behavioral sciences review term network

describe observable pattern social relationship individual group pattern relationship  
determine map interaction individual unit nature highly variable example sociologist look  
pattern interaction friend family member societal institution researcher display network map  
contain series point point represent unit network connect point line display interaction unit  
show figure 9.1 contact point network necessarily unique overlap connection individual refer  
network redundancy network analysis gain understanding action

individual group study broad social structure figure 9.1 example social network diagram  
individual network face demand expectation member constrain able access resource network  
example network university alumnus association member hold certain standard commitment  
reap benefit network search job immediate network dense strong tie distant network loose  
contain weak tie immediate network compose friend distant network include acquaintance  
combination immediate distant network provide benefit individual augment network work  
complementarily provide different resource genetic pedigree think specific type network map  
geneticist track genetic pattern line genetic pedigree represent mating pattern parent child  
relationship familial structure pedigree analysis appear mcat related topic genetic discuss  
chapter 12 mcat biology review sociology organization complex secondary group set achieve  
specific goal characterize have structure culture member multiple organization school  
company music group sport team fraternity sorority political organization community action  
committee study organization heart sociology importance organization person life modern  
formal organization develop industrial revolution way maximize efficiency formal aspect  
derive explicit goal guide member activity furthermore formal organization enforcement  
procedure seek control activity member lastly organization characterize hierarchical allotment  
formal role duty member formal organization large basic organization society find  
characteristic institution history change prehistoric time characteristic institution primarily kin  
clan sib modern time transform city urban center trade commerce move bureaucracy  
characteristic institution bureaucracy rational system political organization administration

discipline control generally bureaucracy characteristic pay nonelected official fix salary official provide right privilege result make career hold office regular salary increase seniority right promotion pass exam milestone official enter organization hold advanced degree training responsibility obligation privilege work procedure rigidly define organization responsibility meet demand position characteristic bureaucracy slow change efficient bureaucracy criticize time iron law oligarchy state democratic bureaucratic system naturally shift rule elite group shift number factor include necessity core body individual carry day day activity organization increase need specialization leadership characteristic

carry day day activity organization increase need specialization leadership characteristic certain member group group establish democratic principle complete egalitarianism ultimately centralize place power hand key leader mcdonaldization commonly refer shift focus efficiency predictability calculability control societal practice original model mcdonaldization course fast food restaurant push efficiency example characteristic see institution example 24 hour news channel feature run footer late news story bite size headline demonstrate efficient predictable source information corporation big datum business decision controlled standardized method allow business focus calculable outcome choice profit loss analysis mcat concept check 9.1 assess understanding material question 1 list type status provide example 2 sociological term provide brief 9.2 self presentation interacting chapter 9.2 able classify form communication verbal nonverbal distinguish stage self stage self identify example body language facial expression visual display scent vocalization communication erving goffman sociologist develop dramaturgical perspective interaction people theatrical performance consciously unconsciously use scene costume role perform influence way think feel try influence perception respect person object event engage impression management form impression management self presentation process display society visually clothing grooming etc action sure good express detect emotion express emotion include verbal nonverbal behavior communicate internal state express emotion basic model emotional expression



establish charles darwin darwin state emotional expression involve number component facial expression behavior posture vocal change physiological change darwin claim expression consistent theory evolution similar culture darwin state primate animal exhibit rudimentary muscle action similar human facial expression darwin researcher find number basic human emotion universally experience correspond facial expression universally recognize appraisal model closely relate accept biologically predetermine expression emotion experience cognitive antecedent emotional primary model describe individual emotion james lange cannon bard schachter singer discuss chapter 5 mcat behavioral sciences review chapter look emotion shape social context culture paul ekman work universal emotion detail chapter 5 mcat behavioral sciences review key

universal emotion detail chapter 5 mcat behavioral sciences review key development basic model emotional expression individual knowledgeable ekman work capable detect subtle transient facial expression indicate individual try deceptive emotion convey social construction model assume biological basis emotion instead emotion base experience situational context suggest certain emotion exist social encounter emotion express differently play different role culture model familiar social norm certain emotion perform correspond emotional behavior give social situation culture provide foundation understand interpret behavior study suggest cultural difference lead different social consequence emotion express cultural expectation emotion refer display rule example utkuhikhalik inuit society anger rarely express individual demonstrate anger consider social pariah display rule govern emotion express degree differ function culture gender family background individual emotional expression manage different way simulate feeling actually feel qualify amplify deamplify feeling mask emotion emotion neutralize emotional expression whatsoever cultural syndrome shared set belief attitude norm value behavior member culture organize central theme cultural syndrome influence rule express suppress emotion influence way emotion experience example happiness generally consider positive emotion culture country individualistic cultural syndrome like united states

happiness view infinite attainable internally experience contrast country collectivist cultural syndrome japan happiness rational emotion generally apply collective experience individual success experience difference illustrate contrast phrase happy share happiness gender play important role emotional expression research expression emotion united states show woman expect express anger public man man expect repress expression sadness research support conclusion woman well detect subtle difference emotional expression man impression management refer attempt influence perceive regulate control information present social interaction impression management synonymously self presentation describe impression management theorist describe self authentic self ideal self tactical self authentic self describe person actually include positive negative attribute ideal self describe chapter 6 mcat behavioral sciences review refer like optimal circumstance tactical self refer market adhere expectation similar ought self

circumstance tactical self refer market adhere expectation similar ought self describe chapter 6 mcat behavioral people use number impression management strategy presence common strategy summarize table 9.1 example table 9.1 impression management strategy giving information oneself establish disclose premedical prop appearance emotional expression association create positive image wear white coat keep calm deal difficult patient mention association important researcher flattery conform expectation win blindly agree opinion compliment friend ask favor justification miss deadline blame bad grade little sleep alter casting impose identity example course say good mcat student kaplan assign role good mcat student erving goffman describe impression management dramaturgical approach metaphor theatrical performance describe individual create image situation analogy goffman relate person attempt manage impression actor performance play person stage self persona present audience person adapt stage self depend social situation similar actor stage audience perform accord setting role script play contrast actor stage actor hide audience free act way congruent actor character play accord goffman stage self persona adopt social situation

concern uphold performance desire public sociological theory test

mcats far extensive knowledge base aamc expect test taker dramaturgical approach example describe sociological concept theatrical term mcats expect know stage vs. stage theory come george herbert mead describe self part call i. self develop interaction society development come consider generalized base person establish perception expectation society time person try imagine expect social situation take perspective generalize consider perspective generalize adapt behavior appropriately develop contrast individual impulse totally independent person impulse shape interpretation society expectation short shape i. mead description form foundation sociological theory symbolic interactionism describe chapter 11 mcats behavioral behavioral sciences guide example expert researcher conduct experiment exp 1 sticker effort investigate social behavior year old child participate condition condition child play game receive sheet paper symbol draw child give sheet sticker match symbol give 90 second find appropriate sticker affix sheet paper match symbol table second set material child tell child play game later stealing condition participant sticker sheet miss symbol necessary complete game sticker find second sheet help condition second sheet conspicuously miss sticker need complete game participant sheet include extra sticker participant tell child trial experimenter leave child child complete task unobserved case child participate study experimental group seat near child task observe child need steal complete task child child ivs steal help stealing condition 4 subject steal observe case 24 steal unobserved case  $p = .02$  helping condition 28 subject help observe case 11 help unobserved case  $p = .07$  result

summarize figure 1 percentage state summarize figure miss figure p value look like stealing significant trend figure 1 steal help behavior child child help people watch steal chimpanzee place separate cage chimp access rope attach tray contain food stealing condition food place chimp reach pull rope move tray reach chimp help condition food place reach chimp pull rope move tray reach second chimp subject chimp able recipient chimp experiment teach rope

mechanism prior testing experiment 1 condition carry case chimp experimental room dominant male chimp present observe interaction know chimpanzee fitness improve relationship dominant group member result summarize figure 2 similar condition iv help hurt figure 2 steal help behavior chimp different matter adapt engelmann jm herrmann e tomasello m 2012 year old chimpanzee attempt manage reputation plos conclusion draw base study difference human child chimpanzee social question ask conclusion plan summarize result study relate outside knowledge fortunately understand design study result difficult interpret experiment 1 look like child likely steal likely help observe p value look like result statistically significant second result count merely trend chimpanzee hand show concern presence multiple choice question look answer explain result know exactly bit content tie result tricky answer choice passage provide clue experiment 2 tell adaptive chimpanzee gain favor dominant group member researcher likely interested way individual change behavior order gain favor call self presentation reputation management impression management apply concept result study conclude child capacity act prosocial manner manage impression chimpanzee give verbal nonverbal communication communication ability convey information speech writing signal behavior foundation social interaction elicit change generate action create understanding share point view inform effective communication occur desire message receive recipient strong communication skill test mcat particularly important critical analysis reasoning skills section chapter 2 mcat critical analysis reasoning skills review discussion analyze rhetoric verbal communication transmission information use

skills review discussion analyze rhetoric verbal communication transmission information use word speak write sign tie nonverbal communication dependent nonverbal cue receiver understand sender meaning face face conversation rich nonverbal communication phone conversation include nonverbal mean communication pause change tone nonverbal communication refer people communicate intentionally unintentionally word example nonverbal communication facial expression tone voice body position movement touch eye

positioning gesture involve hand part body nonverbal formal sign sign language count verbal communication nonverbal cue serve number function communication include expression emotion show figure 9.2 conveyance attitude personality trait facilitation verbal communication nonverbal communication dictate culture example culture people suspicious eye contact consider sign lying culture direct eye contact far united states example child thailand teach eye contact teacher adult order respect type verbal nonverbal communication list table 9.2 figure 9.2 human body language sadness associate droop upper eyelid stare distance frowning slumping shoulder see table 9.2 verbal nonverbal communication write language print electronic body language posture sign language american sign language tactile language braille alphabet tone voice prosody personal space animal signal communication communicate people live creature animal communication define behavior animal affect behavior nonhuman animal communicate order convey information emotion intent status health location resource communicate variety nonverbal mean include body language rudimentary facial expression visual display scent vocalization use body language common number specie body language indicate animal frightened show figure 9.3 aggressive relaxed embarrassed dog tuck tail leg scold fearful body language significance reproduction animal certain position signify readiness mate figure 9.3 animal body language surprise scare cat recoil crouch remain relatively motionless human possess far fine motor control muscle facial expression animal especially mammal use facial expression indicate similar emotion body language noteworthy facial expression appear highly conserve specie body language example bare tooth lunge forward show figure 9.4 perceive universally sign aggression readiness attack

forward show figure 9.4 perceive universally sign aggression readiness attack figure 9.4 animal facial expression bare tooth lunge forward recognize animal sign attack imminent animal use visual display communication common sex discrimination bird female colorful male permit great degree camouflage protection care young serve communication bird sex

readily apparent bird appearance visual display include bioluminescence production light colorful plumage peacock dancing bee know communicate dancing show figure 9.5 figure 9.5 bee communication movement waggle dance illustrate indicate location food relative hive animal use scent communicate intraspecifically member specie interspecifically member different specie pheromone common example give member specie attract mate scent mark animal territory method defense skunk debatable pheromone actually effect human lack gene necessary function vomeronasal organ accessory olfactory organ see animal olfaction scent detection discuss chapter 2 mcat behavioral sciences review finally animal communicate vocalization level sophistication example research show prairie dog different word specific predator create new word novel object bird call species specific attract mate warn threat addition interact wild human use verbal nonverbal communication interact domesticated animal see owner pet dog owner use vocal command tell pet come stay sit additionally tone voice express joy anger person communicate information pet pet scold look gesture communication work opposite direction pet body language expression convey information owner communication human animal confine strictly pet famous example animal communication koko gorilla able communicate human use american sign language koko vocabulary include mcat concept check 9.2 assess understanding material question 1 classify following form communication verbal american sign language turn body away give high 2 stage self stage self stage self stage self 3 method animal communication provide example method communication skunk unique communicate animal perceive threat anal gland capable produce high concentration thiol contain compound create distinctive malodorous scent noteworthy skunk carry spray worth material time tend use form

noteworthy skunk carry spray worth material time tend use form animal communication body language hissing foot stamping resort spray spray ultimate defense intense caustic sticky animal spray quickly learn skunk animal mess human use method communication certainly follow pattern skunk human use combination vocalization body language facial expression

gesture interact socially field sociology flow interaction create group network organization  
organize society hierarchy status fulfill role dictate status energy control communicate try  
create optimal image impression content chapter play large role day day life day interact  
people interact largely determine culture society live chapter begin analyze specific type  
interaction like attraction altruism examine dark human society bias prejudice discrimination  
stereotype review content test knowledge critical thinking skill complete test like passage set  
online resource element social interaction status perceive position society classify individual  
ascribe status involuntarily assign individual base race ethnicity gender family background  
achieve status voluntarily earn individual master status status individual primarily role set  
belief value norm define expectation certain status social situation role performance refer  
carry behavior give role role partner person interact helps define role relationship role set  
contain different role associate status role conflict occur difficulty satisfy requirement multiple  
role simultaneously role strain occur difficulty satisfy multiple requirement group individual  
similar characteristic share sense unity peer group self select group form similar interest age  
status family group group individual bear adopt marry group social group person experience  
sense belonging identify member group social group individual group conflict occur group  
compete oppose reference group group individual compare primary group contain strong  
emotional bond secondary group temporary contain few emotional bond weak bond overall  
gemeinschaft community group unify feeling togetherness share belief ancestry geography  
gesellschaft society group unify mutual self interest achieve goal groupthink occur member  
begin conform view critical evaluation network observable pattern social relationship  
individual group

view critical evaluation network observable pattern social relationship individual group  
organization body people structure culture design achieve specific goal self presentation  
interact model propose express emotion basic model state universal emotion correspond  
expression understand culture social construction model state emotion solely base situational

context social interaction display rule unspoken rule govern expression cultural syndrome  
share set belief norm value behavior organize central theme find people share language  
geography impression management refer maintenance public image accomplish strategy self  
disclosure share factual information manage appearance refer prop appearance emotional  
expression association create positive image ingratiation flattery conformity win align action  
use excuse account questionable alter casting impose identity person dramaturgical approach  
say individual create image way actor perform role stage individual see audience strive  
preserve desire image stage individual audience free act outside desire image communication  
include verbal nonverbal element verbal communication conveyance information speak write  
sign word nonverbal communication conveyance information mean use word body language  
prosody facial expression gesture animal communication take place nonhuman animal human  
animal animal use body language rudimentary facial expression visual display scent  
vocalization communicate answer concept check status give involuntarily factor race ethnicity  
gender family background status gain result effort choice status person readily identify  
pervade aspect individual life 2 status perceive position society classify individual role behavior  
expectation associate status particular context group collection individual network formal  
illustration relationship individual usually graphic representation organization body specific  
set goal structure culture organization complex secondary group set achieve 1 verbal  
american sign language text message nonverbal turn body away body language give high  
gesture frown facial expression 2 stage self refer stage perform require live role expectation  
assume status stage self away include behavior appropriate consistent stage self 3 example  
vary method communication dog tail leg animal bare tooth peacock colorful plumage insect  
pheromone science mastery

animal bare tooth peacock colorful plumage insect pheromone science mastery assessment  
status position society classify person exist relation o status specific behavior associate status  
b well describe role achieve status acquire personal effort ontrast ascribe status status



involuntarily give base race ethnicity gender family background master status c influence  
aspect individual life college graduate important aspect day day life usually pervade life  
bureaucracy example organization specifically goal perform complex task efficiently possible  
immediate network nd primary group b characterize strong intimate bond commonly see  
bureaucracy reference group d hose group compare characteristic generally bureaucracy  
mark characteristic pay official fix salary nonelecte official provide right privilege esult make  
career hold office regular salary increase eniority right promotion pass exam milestone c  
official enter organization hold advanced degree rain b responsibility obligation privilege work  
procedure igidly define organization responsibility meet obligation office hold verbal  
communication use word speak write sign nonverbal communication use mean signal  
emotion idea uch body language d facial expression eye contact b prosody nd personal space  
hand gesture bodily movement nonverbal communication verbal sign align action impression  
management technique provide socially acceptable reason unexpected behavior manifest  
provide excuse poor performance laugh nappropriate comment joke tension create have  
conflict hought opinion mention b refer cognitive dissonance mpose role person case good  
friend hallmark alter casting example opposite ingratiation c implication statement lend bike  
make bad friend ingratiation use flattery conformity win gesellschaft society individual work  
ame goal company country gemeinschaften community hand bond belief ancestry display rule  
dictate cultural expectation emotion ulture sadness consider personal internal sadness hare  
externally community ymlog method analyze group dynamic consider group long dimension  
dominant vs. submissive friendliness vs. unfriendliness instrumentally control vs. emotionally  
expressive f candidate expose personal characteristic usually hielde public view bring public  
pull aspect stage self stage onsidere remove stage

bring public pull aspect stage self stage onsidere remove stage self c candidate public image

tarnish ought self

think expectation impose similar tactical self self present adhere expectation present self d  
combination authentic ideal tactical self basic model emotion propose charles darwin state  
motion serve evolutionary purpose similar culture seven universal emotion support theory  
social construction model state emotion product urrent social situation posit biological basis  
emotion mplye lack role emotion evolution ntraspecific communication refer communication  
member species interspecific communication hand refer ommunication member different  
specie echolocation c example intraspecific communication sender ignal recipient organism  
consider primary group direct close bond member provide warm personal intimate  
relationship member secondary group n contrast form superficial bond tend short period  
consult online resource additional practice behavioral science chapter 3 learning memory  
behavioral science chapter 5 motivation emotion stress behavioral science chapter 6 identity  
personality behavioral sciences chapter 8 social process attitude behavior behavioral sciences  
chapter 10 behavioral sciences chapter 11 social structure demographic science mastery  
assessment pre med know feeling content know mcat know important high yield badge book  
help identify important topic science mastery assessment tool mcat prep arsenal quiz take  
online resource guidance help ensure spend appropriate time chapter base personal strength  
weakness worry skip mean study later prep complete length test uncover specific piece  
content need review come chapter appropriate use assessment answer 0–7 question correctly  
spend 1 hour read chapter limited note follow review quiz question ensure understand solve  
answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss  
read note correspond subchapter question answer correctly ensure thinking match  
explanation understand choice correct incorrect answer 12–15 question correctly spend 20  
minute review question quiz miss include quick read correspond subchapter relevant content  
subchapter question review question answer correctly ensure thinking match explanation  
review concept summary end chapter 1 tendency close friend neighbor people neighborhood  
strongly relate follow 2 follow associate high level aggression

neighborhood strongly relate follow 2 follow associate high level aggression i. increase amygdala activity ii decrease amygdala activity iii increase prefrontal cortex activity iv decrease prefrontal cortex activity a. iii b. iv c. ii iii d. ii iv 3 child cry caregiver depart smile run caregiver return display type attachment pattern a. avoidant attachment b. ambivalent attachment c. disorganized attachment d. secure attachment 4 elephant seal male mate multiple female mating season female mate type mating system 5 person ventromedial hypothalamus injury likely a. increase empathy b. decrease empathy c. increase food intake d. decrease food intake 6 female great reed warbler attract male large song repertoire tend produce offspring high viability example follow a. runaway selection b. sensory bias c. direct phenotypic benefit d. indirect phenotypic benefit

7 specie shrimp large adult sacrifice protect young small shrimp behavior well explain a. inclusive fitness b. direct benefit c. sensory bias 8 follow component social perception a. target b. situation c. perceiver d. process 9 meet dustin rude run twice friendly dislike meeting impression bias describe a. primacy effect b. recency effect c. reliance central trait 10 mei bring cookie work taste coworker mei great person sure cookie fantastic type bias a. reliance central trait b. direct benefit c. halo effect 11 friend win tennis game say train hard great win lose subsequent match friend say baby brother keep night cry tired match statement reflect following principle a. world hypothesis b. fundamental attribution error c. self serve bias d. esteem bias 12 carlos happy smile today notice think happen upset type attribution make a. iii b. iv c. ii iii d. ii iv 13

group man woman go rate driving ability role gender emphasize experiment woman perform worse man experiment role gender mention rating comparable group principle result support a. institutional discrimination b. stereotype threat d. world hypothesis 14 behavior accompany negative attitude person group individual refer b. cultural relativism 15 game theory design

study a. reliance central trait b. behavior attribution c. decision making behavior chapter 10.1  
social behavior social behaviors evolutionary fitness 10.2 social perception behavior 10.3  
stereotype prejudice discrimination content chapter relevant 10 question behavioral science  
mcats chapter cover material follow aamc content 8b social thinking 8c social interaction social  
psychology concern social behavior include way people influence attitude behavior look  
impact individual social group individual group member individual group member social  
group social group social group chapter continue discussion social psychology highlight close  
relationship sociology field psychology theoretical perspective human behavior social  
environment key concept classical study field social psychology chapter focus individual affect  
group individual interact group turn attention chapter specific behavior see human being  
include attraction aggression attachment need social support look dark social psychology look  
pattern blame attribution theory misappropriation social structure prejudice discrimination  
highly relevant physician patient face prejudice base diagnosis discriminate personal  
characteristic include age sex race ethnicity socioeconomic status sexual orientation gender  
identity 10.1 social behavior chapter 10.1 able describe interpersonal attraction include factor  
influence recall meaning term aggression include example list type attachment affect  
childhood behavior identify common type social support explain relationship altruism  
inclusive fitness social behavior involve interaction flow positive feeling attraction attachment  
flow negative feeling aggression wonder make people friend enemy second grader choose  
good friend eye attractive person physics class social psychologist phenomenon individual like  
interpersonal attraction researcher find factor affect attraction include similarity self  
disclosure reciprocity proximity outward appearance play role symmetric face physically  
attractive people tend perceive

appearance play role symmetric face physically attractive people tend perceive person human  
attract individual certain body proportion approximate golden ratio 1.618:1 interpersonal  
attraction influence factor include physical characteristic similarity self disclosure reciprocity

proximity tend attract people similar attitude intelligence education height age religion appearance socioeconomic status reason convenience easy spend time want bike ride enjoy thai food people draw have value choice validate person cliché opposite attract social psychologist find attraction occur opposing quality match example nurturer attract crave nurture notably successful complementary relationship fundamental similarity attitude complementary aspect relationship work component attraction lie opportunity self disclosure share fear thought goal person meet nonjudgmental empathy engage behavior deepen attraction friendship reciprocal behavior reveal innermost secret create sense vulnerability meet person interpret take advantage reciprocity important aspect interpersonal attraction reciprocal liking phenomenon people like well believe person like researcher show disagree important issue increase interest indication like finally proximity physically close play factor attraction person study show likely form friendship people dorm people sit close class convenience easy conversation plan people area explanation mere exposure effect familiarity effect tendency people prefer stimulus expose frequently observe everyday life dislike song time hear find singe say like song hear time principle marketing people hear product likely attract purchase product aggression define behavior intend cause harm increase social dominance aggression form physical action verbal nonverbal communication ethologist study aggression term interaction animal natural setting aggression setting include bodily contact see figure 10.1 display aggression settle threat withdrawal actual bodily harm threat display common animal human fight puff chest pull fist threaten person display result physical harm violence example aggression include bully hurl insult child gang member make threatening gesture member gang figure 10.1 aggression follow threat display threat display lead violence see threat display commonly lead withdrawal prevent purpose aggressive behavior cause destruction evolutionarily

commonly lead withdrawal prevent purpose aggressive behavior cause destruction evolutionarily aggression offer protection perceive real threat aggression help ancestor fight

predator help organism gain access resource food additional territory mate case limited resource aggression decide factor allow pass gene prefrontal cortex critically important manage limbic system important manage emotion stress role prefrontal cortex discuss chapter 5 mcat behavioral sciences review biological perspective multiple part brain contribute violent behavior amygdala brain responsible associate stimulus correspond reward punishment short responsible tell threat amygdala activate increase aggression high order brain structure prefrontal cortex hit brake rev amygdala reduce emotional reactivity impulsiveness reduced activity prefrontal cortex link increase alcohol show increase aggressive behavior alcohol impair judgment limit ability control aggressive reaction make feel inhibited social more normally restrict aggressive behavior aggression hormonal control high level testosterone link aggressive behavior human irrespective sex gender speculate high level testosterone phenotypical male compare phenotypical female explain trend male generally aggressive female culture male commit disproportionate majority violent crime biological contribution aggressive behavior study find psychological situational predictor aggression find snap people pain gotten annoy waiter extremely hungry response account cognitive neoassociation model state likely respond aggressively feel negative emotion tired sick frustrated pain see large scale riot likely happen hot day cool one driver air conditioning likely honk driver air conditioning factor contribute aggressive behavior exposure violent behavior effect child medium portrayal violence continue hot topic research finding mixed tend view violent behavior correlate increase aggressive behavior contribution modeling violence child explore albert bandura bobo doll experiment describe chapter 3 mcat behavioral sciences review attachment secure base caregiver consistent available comforting responsive attachment emotional bond caregiver child begin develop infancy parental figure common emotional bond occur caregiver sensitive responsive social interaction world war ii psychiatrist john bowlby notice negative effect isolation social emotional development orphan child start

notice negative effect isolation social emotional development orphan child start study attachment 1970 psychologist mary ainsworth expound theory say infant need secure base form consistent caregiver month year life explore world develop appropriately main type attachment style describe secure avoidant ambivalent disorganized secure attachment see child consistent caregiver able explore know secure base return child upset departure caregiver comfort return caregiver child trust caregiver comfort child comfort stranger child clearly prefer caregiver have secure attachment pattern think vital aspect child social development child avoidant ambivalent disorganized attachment deficit social skill collectively attachment type know avoidant attachment result caregiver little response distressed child give choice child preference stranger caregiver little distress caregiver leave little relief caregiver return ambivalent attachment occur caregiver inconsistent response child distress respond appropriately neglectfully child unable form secure base child consistently rely caregiver response child distressed separation caregiver mixed response caregiver return display ambivalence refer anxious ambivalent attachment child anxious reliability caregiver child disorganized attachment clear pattern behavior response caregiver absence presence instead mix different behavior include avoidance resistance dazed frozen confused repetitive behavior like rocking disorganized attachment associate erratic behavior social withdrawal caregiver red flag abuse physician mandate reporter mean require law report suspect case child abuse remember well report incorrect miss potentially fatal scenario behavioral science guide example expert strange situation experimental procedure assess attachment infant 9 18 month old procedure occur course minute progress 1 parent child introduce experimental room 2 parent child leave room infant allow explore room parent participate 3 stranger enter room converse parent attempt engage child 4 parent conspicuously leave room child leave 5 parent return comfort 6 parent stranger leave child leave brief moment picture step return list question ask traditional experiment real iv differ input child relationship parent output 7 stranger return attempt engage child 8 parent return

output 7 stranger return attempt engage child 8 parent return comfort child stranger  
conspicuously researcher observe exploration child engage reaction stranger reaction  
absence parent child behavior reunion parent procedure replicate nonhuman animal  
particular show dog tend form secure attachment owner procedure attempt cat appear cat  
behavior serve function behavior human difficult use procedure develop human assess cat  
attachment furthermore individual cat behavior inconsistent procedure possibly experimental  
procedure scenario cat frequently encounter outside laboratory dog secure cat complicated  
adapt potter mills ds 2015 domestic cat felis silvestris catus sign secure attachment owner  
plos 10(9

child expose strange situation uninterested explore room presence parent stranger  
emotionally engage individual way dog attachment behavior style differ child experimental  
limitation researcher point assess attachment cat beginning question stem present scenario  
child reluctant explore surrounding regardless present description match outside content  
knowledge attachment different attachment style content know mcat avoidant attachment  
characterize child substantial behavioral change base presence absence parent behaviorally  
conclude child describe display avoidant attachment style dog describe article demonstrate  
secure attachment want recall characteristic secure attachment apply situation secure  
attachment subject distress leave stranger definitely prefer caregiver dog display distress  
leave easily comfort caregiver return specifically difference child typical dog twofold dog great  
engagement positive response caregiver compare child dog distress leave caregiver compare  
child answer second question require approach problem similar way time apply experimental  
design need consider description give attempt match description vocabulary word concept  
study researcher note issue behavior measure cat serve function respect attachment cat social  
animal try evaluate behavior social context inappropriate experiment actually measure seek  
measure problem internal validity author mention scenario present experiment real world  
analogue experimental procedure actually apply situation outside lab experiment say lack



sum dog display secure attachment infant display avoidant attachment application methodology cat potentially lack internal measure target variable external bear relevance real world psychology social support perception reality care social network social support divide different category emotional esteem material informational network support social support present time pronounced necessary suffer personal family tragedy emotional support listen affirm empathize feeling sorry loss condolence card trip hospital visit sick relative people equate social support emotional support form support exist esteem support similar touch directly affirm quality skill person remind skill possess tackle problem bolster confidence example consider friend miss significant school illness call friend smart efficient worker problem make work provide esteem support material support call

worker problem make work provide esteem support material support call tangible support type financial material contribution person come form make meal friend lose love donate money person need informational support refer provide information help spend career provide informational support patient explain diagnosis potential treatment option risk benefit treatment option network support type social support give person sense belonging show physically demonstrate figure 10.2 accomplish gesture group activity share figure 10.2 network support group hug create sense belonging matter form social support offer different type health benefit social support help reduce psychological distress anxiety depression people low social support high level major mental disorder alcohol drug use suicidal ideation intuitive improvement mental health improvement physical health study find people low social support high mortality risk different disease include diabetes cardiovascular disease cancer strong social support appear correlate immunological health high social support likely cold recover fast social behavior evolutionary fitness behavior neurological corollary look specific behavior brain region implicate cause behavior forage seek eat food drive biological psychological social influence biologically hunger drive complex pathway involve neurotransmitter hormone sensation hunger control hypothalamus specifically lateral

hypothalamus promote hunger ventromedial hypothalamus respond cue promote satiety  
damage lateral hypothalamus cause person lose interest eat damage ventromedial  
hypothalamus result obesity individual feel satiated foraging impact genetic certain gene play  
role onset foraging behavior division task member group specie forage engage solitary  
foraging cognitive skill play role success solitary group foraging skill include spatial awareness  
memory decision making specie forage group foraging primarily learn behavior young  
individual learn observe find consume food determine safe eat show figure 10.3 animal learn  
hunt watch animal wolf hunt pack strict rule order individual allow eat successful hunt figure  
10.3

foraging learn observational mating mate choice mating system describe organization group  
sexual behavior mating system see animal include monogamy polygamy promiscuity  
monogamy refer exclusive mating relationship polygamy mean have exclusive relationship  
multiple partner have exclusive relationship multiple female call polygyny multiple male call  
polyandry promiscuity refer member sex mate exclusivity animal specie dominant mating  
system human exhibit flexibility human mating behavior highly influence biological social  
factor human differ animal have formal relationship correspond mate choice mating associate  
social relationship marriage dating mate choice intersexual selection selection mate base  
attraction mate bias refer choosy member specie choose mate bias evolutionary mechanism  
aim increase fitness specie carry direct benefit provide material advantage protection  
emotional support indirect benefit promote well survival offspring recognize mechanism mate  
choice direct benefit provide advantage mate indirect benefit provide advantage offspring  
phenotypic benefit observable trait potential mate attractive opposite sex usually trait indicate  
increase production survival offspring example male appear nurturing likely care promote  
survival sensory bias development trait match preexisting preference exist population  
example fiddler crab naturally attract structure break level horizon indicate food source male  
crab advantage fact build pillar territory attract mate fisherian runaway selection positive

feedback mechanism particular trait effect negative effect survival exaggerated time model  
trait deem sexually desirable likely pass increase attractiveness trait turn increase likelihood  
continue pass bright plumage peacock show figure 10.4 prototypical example fisherian figure  
10.4 fisherian selection exaggerated plumage peacock prototypical example fisherian  
selection

attractiveness trait impart survival disadvantage lead continuation exaggeration species  
indicator trait trait signify overall good health organism increase attractiveness mate notably  
trait genetic origin example female cat attracted male cat clean shiny coat dirty dull coat relate  
underlie genetic problem malnutrition genetic compatibility creation mate pair combine  
complementary genetic theory provide mechanism reduce frequency recessive genetic  
disorder population attraction starkly different genetic makeup reduce probability offspring  
homozygotic disease carry altruism form help behavior individual intent benefit cost self help  
behavior motivate selflessness motivate egoism ulterior motive public recognition empathy  
ability vicariously experience emotion think social psychologist strong influence help behavior  
empathy altruism hypothesis explanation relationship empathy help behavior accord theory  
individual help person feel empathy person regardless cost theory heavily debate recent  
conception altruism posit individual help person benefit outweigh cost individual altruism  
create bit problem traditional darwinist model evolution organism sacrifice fitness fitness  
evolutionary biologist wrestle question inclusive fitness offer potential solution game theory  
attempt explain decision making behavior theory originally economic mathematic predict  
interaction base game characteristic include strategy winning lose reward punishment profit  
cost game define player information action available player decision point payoff associate  
outcome context biology game payoff refer fitness game theorist study sex ratio specie  
develop concept evolutionary stable strategy ess ess adopt give population specific  
environment natural selection prevent alternative strategy arise strategy inherit trait pass  
population object game fit competitor classic evolutionary game hawk dove game game focus

access shared food resource round player choose strategy hawk dove hawk exhibit fighter strategy display aggression fight win injure dove exhibit fight avoidance strategy display aggression retreat fight escalate face fight dove attempt share food resource potential outcome hawk compete win lose hawk dove compete hawk invariably win dove compete share food resource payoff case base value reward cost fighting reward significantly large cost case base value reward cost fighting reward significantly large cost fighting hawk advantage cost fighting significantly large dove advantage exist equilibrium point base magnitude reward cost fight hawk dove strategy coexist evolutionary stable hawk dove game represent pure competition individual social influence apply nature result possible alternative competitor deal strategic interaction alternative show figure 10.5 figure 10.5 strategic alternative socially influenced altruism donor provide benefit recipient cost cooperation donor recipient benefit cooperate spite donor recipient negatively impact selfishness donor benefit recipient negatively common strategy game like rock paper scissor chicken explain game theory evolutionary psychology inclusive fitness measure organism success population base number offspring success support offspring ability offspring support early description evolutionary success base solely number viable offspring organism contemporary theory account benefit certain behavior population large example existence altruism support observation close relative individual share gene promote reproduction survival related similar individual lead genetic success specie example inclusive fitness protect offspring group large sacrifice protect young organism ensure passing gene future generation inclusive fitness promote idea altruistic behavior improve fitness success species mcat concept check 10.1 assess understanding material question 1 interpersonal attraction factor influence attraction 2 behavior consider aggressive necessary intent harm behavior physical nature 3 type attachment child form attachment act regard type attachment response caregiver 4 social support list common type 5 altruism 10.2 social perception behavior chapter 10.2 able describe primacy effect recency effect halo effect fundamental attribution error attribute

substitution world hypothesis self-contrast dispositional situational attribution factor likely identify example attribution attribution bias real world social perception social psychologist form impression characteristic individual group people form impression observation behavior past experience personal belief attitude feel need able explain understand behavior process perform social perception highly link attitude social perception focus form attitude specific characteristic individual group attitude discuss detail chapter 8 mcat

specific characteristic individual group attitude discuss detail chapter 8 mcat behavioral sciences review social perception refer social cognition provide tool judgment impression people judgment impression include assessment social role relationship characteristic trustworthiness friendliness attribution explanation cause person action component social perception primary component social perception perceiver target situation perceiver influence experience motive emotional state past experience affect attitude current future experience lead particular expectation event motive influence information deem important choose ignore finally emotional state flavor interpretation event target refer person perception knowledge target include past experience specific information affect perception little information available need great observation interpretation perceiver finally situation important develop perception give social context determine information available perceiver model social perception focus selection cue form interpretation consistent time come contact unfamiliar target perceiver take cue target environment unfiltered familiar give target perceiver use cue categorize target friend vs. enemy caring vs. standoffish open minded vs. bigoted additional time spend target situational context lead perceiver confirm categorization point perception additional cue selective order paint picture target consistent perception perceiver theory consistent primacy effect idea impression important subsequent impression actually recent information individual important form impression call recency effect individual tend organize perception base trait personal characteristic target relevant perceiver idea refer reliance central trait people project belief opinion idea action category place impression formation

base implicit personality theory theory state set assumption people different type people trait behavior relate make assumption people base category place know stereotyping discuss detail section halo effect cognitive bias judgment specific aspect individual affect overall impression individual tendency allow general impression person like jin influence specific evaluation person jin good person jin trustworthy jin wrong halo effect explain people inaccurate evaluate people believe generally good believe generally bad individual attractiveness see produce halo effect describe early attractiveness determine variety trait perception trait impact

effect describe early attractiveness determine variety trait perception trait impact view individual personality show people perceive attractive likely perceive trustworthy friendly cognitive bias impression formation world hypothesis call world good thing happen good people bad thing happen bad people noble action reward evil action punish consequence attribute universal restore force religion culture force refer karma strong belief world increase likelihood blame victim state victim deserve worldview deny possibility innocent victim self identity perception skew self serve bias know self serve attributional bias refer fact individual credit success internal factor blame failure external factor tendency attribute good outcome good trait behavior attribute bad outcome situational factor protect self esteem example student earn good grade test attribute success intelligence intensely study receive bad grade attribute outcome poor teaching professor unfair question long test allot time type attribution find occur setting include workplace school interpersonal relationship athletic self serve bias influence motivational process like self enhancement self verification self- enhancement focus need maintain self worth accomplish self serve bias self verification suggest people seek companionship validate person self serve bias self serve bias influence cognitive process example emotion factor self serve bias emotion impact self esteem influence need protect self identity individual high self esteem likely protect image likely exhibit self serve bias relationship determine likelihood bias individual close relationship likely attribute failure

instead joint attribution hand stranger likely self serve place blame failure people depression  
reverse attributional bias view success cause external factor get lucky time failure cause  
internal factor fault group vs. group bias suggest chapter 9 mcat behavioral sciences review  
social interaction human naturally come form group result subjective categorization group  
group group refer member social group group refer group give propensity human form  
group understandable individual perceive member group group versus people outside group  
group heavily bias specifically group

group versus people outside group group heavily bias specifically group bias refer inclination  
view member group favorably group bias refer inclination view individual outside group  
harshly aspect social cognition explain behavior human nature observe try understand act  
way attribution theory describe individual infer cause dispositional situational cause fritz  
heider founder attribution theory divide cause attribution main category dispositional internal  
situational external dispositional internal attribution relate person behavior consider include  
belief attitude personality characteristic situational external attribution relate feature  
surrounding threat money social norm peer pressure instance suppose hear friend nominate  
academic award believe friend nominate hard work personal effort dispositional attribution  
contrarily chalk nomination luck situational attribution situational attribution consider  
characteristic social context characteristic individual primary cause consistency cue consistent  
behavior time consensus cue match behavior distinctiveness cue use similar behavior similar  
situation order understand behavior variety cue include consistency cue consensus cue  
distinctiveness cue consistency cue refer behavior person time regular behavior associate  
behavior motive person consensus cue relate extent person behavior differ person deviate  
socially expect behavior likely form dispositional attribution person behavior distinctiveness  
cue refer extent person engage similar behavior series scenario person behavior vary  
different scenario likely form situational attribution explain correspondent inference theory  
take concept step focus intentionality behavior individual unexpectedly perform behavior help

hurt tend explain behavior dispositional attribution correlate unexpected action person personality fundamental attribution error fundamental attribution error posit generally bias make dispositional attribution situational attribution judge action example suppose team project team member unable complete assignment accord fundamental attribution error immediate response assume team member lazy unreliable dispositional attribution ignore possibility team member get ill concurrent assignment suffer personal tragedy situational attribution fundamental attribution error present positive context imagine observe get car help old adult road accord fundamental attribution error likely dispositional attribution like kind stranger situational attribution like oh maybe

dispositional attribution like kind stranger situational attribution like oh maybe grandparent notice example dispositional attribution provide simple explanation situational attribution difference complexity actually source fundamental attribution error assume person behavior accurately portray person easy speculate circumstance cause observe actor observer asymmetry bias result self serve bias actor fundamental attribution error observer actor observer bias hold unique knowledge action likely situational attribution self compare person fail complete assignment example far likely consider situational factor involve behavior intimately aware effect commonly see negative attribute substitution occur individual judgment complex instead substitute simple solution apply heuristic make automatic intuitive judgment difficult question scenario individual address different question scenario realize substitution study individual ask envision sphere fit inside cube ask percentage volume cube take sphere challenging envision individual likely simplify problem mind imagine circle inside square answer give study average 74 percent approximately area square take circumscribed circle 79 significantly high volume cube take circumscribed sphere 52 attribute substitution place far simple setup classic example psychology class following question pencil eraser cost \$ 1.10 pencil cost dollar eraser eraser cost individual respond instinctively answer cent easy recognize pencil cost integrate information give question stem \$ 1.10 process common deal



size color optical illusion instance judge size figure image perspective apparent size show image distort three- dimensional context show figure 10.6 expect three- dimensional size figure base perspective cue substitute actual dimensional size bird image interesting note painter photographer experience dimensional image likely substitute fact dimensional size understandable perception figure 10.6 attribute substitution size optical bird identical size dimensional cue affect interpretation image shadow pattern position sun visual cue cause attribute substitution color show figure 10.7 figure 10.7 attribute substitution color optical central box label b identical color shadow cue affect interpretation image important factor attribution culture type culture individual belong play major role type

attribution culture type culture individual belong play major role type attribution individual make individualist culture high value individual personal goal independence collectivist culture view individual member group place high value conformity interdependence individualist tend fundamental attribution error collectivist culture individualist likely attribute behavior dispositional factor collectivist likely attribute behavior situational factor mcat concept check 10.2 assess understanding material question 1 social cognitive bias provide 2 attribution theory type 3 fundamental attribution error 4 attribute substitution 10.3 stereotype prejudice chapter 10.3 able distinguish stereotype prejudice discrimination list type social inequality influence prejudice compare contrast ethnocentrism cultural relativism stereotype prejudice discrimination term relate different concept stereotype view cognitive prejudice affective discrimination behavioral stereotype refer expectation impression opinion characteristic member group prejudice reflect overall attitude emotional response group discrimination refer difference action different group stereotype cognitive prejudice affective discrimination behavioral note kaplan test prep endorse encourage stereotype mention chapter include example despite negative connotation stereotype appear everyday life beneficial direct human being psychological sense purpose stereotype sense complex world categorize systematize information order well identify item predict behavior react context stereotype

different item furniture look like different type store operate different cuisine taste stereotype  
extremely useful define category determine fit category stereotype develop prejudice  
discriminate appropriate negative context sociology stereotype occur attitude impression  
base limited superficial information person group individual content stereotype attribute  
people believe define characterize group stereotype content model attempt classify  
stereotype respect hypothetical in- group dimension warmth competence warm group direct  
competition group resource competent group high status society possible combination  
warmth competence show figure 10.8 associate distinct emotion figure 10.8 classification  
stereotype stereotype adapt fiske et al 2002 paternalistic stereotype group look inferior  
dismiss ignore contemptuous stereotype group view resentment annoyance anger envious  
stereotype group view jealousy bitterness distrust admiration stereotype group view pride  
positive feeling stereotype lead expectation

admiration stereotype group view pride positive feeling stereotype lead expectation certain  
group individual expectation create condition cause expectation reality process refer self fulfil  
prophecy example medical student experience self fulfil prophecy day surgery clerkship  
medical school year ward new student stereotype unable quickly efficiently throw knot  
surgery knowledge mind student nervous suture time struggle step knot tie process struggle  
validate stereotype complete self fulfil prophecy stereotype threat concern anxiety confirm  
negative stereotype group hinder performance actually create self- social situation person  
concerned anxious inadvertently confirm negative stereotype social group concern know  
stereotype threat unfortunately feeling stereotype threat result self fulfil prophesy people  
experience stereotype threat exhibit stress arousal preoccupy monitor performance task  
distraction lead reduce performance task example study group experience stereotype threat  
woman mathematic study show woman take math exam score lower test taker room man  
researcher conclude take exam man present woman test subject concerned stereotype threat  
perform poorly result concern researcher theorize stereotype threat contribute factor long

stand racial gender gap certain career academic performance social psychology approach  
prejudice define irrational positive negative attitude person group thing prior actual  
experience entity process socialization result formation attitude group sense identity  
individual group member prejudice form response dissimilarity group race ethnicity  
environment racial ethnic prejudice individual forefront people mind prejudice exist object  
place instance people attitude different region country base culture weather history car  
manufacturer reliable type food consider unhealthy type animal good pet prejudicial attitude  
run gamut hate love contempt admiration indifference loyalty prejudice keep internally share  
large community propaganda common way large organization political group attempt create  
prejudice propaganda poster invoke message fear depiction target group exaggerate absurd  
degree power prestige class variety social factor influence prejudice important power prestige  
class power refer ability people group achieve goal despite obstacle ability control resource  
prestige level respect show

goal despite obstacle ability control resource prestige level respect show person class refer  
socioeconomic status social inequality unequal distribution power resource money prestige  
result grouping have not not develop negative attitude have base envy have develop negative  
attitude not defense mechanism justify fact ethnocentrism refer practice make judgment  
culture base value belief culture especially come language custom religion ethnocentrism  
manifest way innocent display ethnic pride violent supremacy group ethnocentrism closely tie  
previously discuss concept group vs. group bias group conflict order avoid ethnocentrism  
concept cultural relativism employ sociologist compare understand culture cultural relativism  
recognition social group culture study term study culture social relativism acknowledge value  
more rule sense context culture judge norm culture word group follow give set rule dietary  
rule kashrut halal cultural relativism hold rule perceive superior inferior culture discrimination  
occur prejudicial attitude cause individual particular group treat differently prejudice attitude  
discrimination behavior prejudice typically refer negative attitude discrimination typically refer

negative behavior important note prejudice result discrimination instance person strong feeling particular race prejudice express feeling act social inequality influence prejudice idea apply discrimination unequal distribution power prestige class individual vs. institutional discrimination discrimination individual institutional individual discrimination refer person discriminate particular person group institutional discrimination refer discrimination particular person group entire institution individual discrimination consider conscious obvious eliminate remove person display behavior sociologist begin stress need focus institutional discrimination discrimination build structure society far covert hard extricate society perpetuate simply maintain status quo united states long history institutional discrimination myriad group overt example racial segregation exist early mid twentieth century today concern institutional discrimination individual base race ethnicity gender identity sexual orientation religion characteristic mcats concept check 10.3 assess understanding material question 1 distinction stereotype prejudice 2 list type social inequality influence 3 difference ethnocentrism cultural social psychology focus social behavior attitude perception influence impact behavior

social psychology focus social behavior attitude perception influence impact behavior chapter look social behavior include attraction aggression attachment social support look biological explanation specific social behavior include foraging mate choice altruism game theory inclusive fitness define component social perception impression bias way view influence way view attribute behavior finally take look stereotype prejudice discrimination topic demonstrate negative classify individual use classification create hierarchy inequity opportunity finance silence suppress community classification serve positive purpose social science classify population study interaction group change population makeup time track migration pattern classification consider field demographic explore chapter review content test knowledge critical thinking skill complete test like passage set online resource interpersonal attraction make people like influence multiple factor physical attractiveness increase symmetry

proportion close golden ratio similarity attitude intelligence education height age religion appearance socioeconomic status self disclosure include share fear thought goal person meet empathy nonjudgment reciprocity like people think like proximity physically close aggression physical verbal nonverbal behavior intention cause harm increase social dominance attachment emotional bond person usually refer bond child caregiver type secure attachment require consistent caregiver child able explore know secure base return child strong preference caregiver avoidant attachment occur caregiver little response distressed cry child child show preference caregiver compare stranger ambivalent attachment occur caregiver inconsistent response child distress respond appropriately neglectfully child distressed caregiver leave ambivalent caregiver return disorganized attachment occur caregiver erratic abusive child show clear pattern behavior response caregiver absence presence repetitive social support perception reality care emotional support include listen affirm empathize feeling esteem support affirm quality skill person material support provide physical monetary resource aid informational support provide useful information person network support provide sense belonging person foraging search exploit food resource mating system describe way group organize term sexual behavior monogamy consist exclusive mating relationship polygamy consist multiple exclusive relationship include

consist exclusive mating relationship polygamy consist multiple exclusive relationship include polygyny multiple female polyandry multiple promiscuity mean mate exclusivity mate choice intersexual selection selection mate base attraction trait altruism form help behavior people intent benefit cost game theory attempt explain decision making individual participate game inclusive fitness measure organism success population base number offspring success support offspring ability offspring support social perception behavior social perception social cognition way generate impression people social environment contain perceiver target situation social context scenario implicit personality theory state people assumption different type people trait behavior relate certain cognitive bias impact perception primacy effect refer

impression important subsequent impression recency effect recent information individual important form impression reliance central trait tendency organize perception base trait personal characteristic matter perceiver halo effect judgment individual character affect overall impression individual world hypothesis tendency individual believe good thing happen good people bad thing happen self serve bias refer fact individual view success base internal factor view failure base external factor attribution theory focus tendency individual infer cause people behavior dispositional internal cause relate feature person behavior consider situational external cause relate feature surrounding social context correspondent inference theory describe attribution observe intentional especially unexpected behavior perform person fundamental attribution error bias make dispositional attribution situational attribution regard action attribute substitution occur individual judgment complex instead substitute simple solution heuristic attribution highly influence culture reside stereotype prejudice stereotype occur attitude impression base limited superficial information person group stereotype lead expectation certain group create condition lead confirmation stereotype process refer self fulfil prophecy stereotype threat concern anxiety confirm negative stereotype social group prejudice define irrational positive negative attitude person group thing prior actual experience ethnocentrism refer practice make judgment culture base value belief culture cultural relativism refer recognition social group culture study term discrimination prejudicial attitude cause individual particular group

culture study term discrimination prejudicial attitude cause individual particular group treat differently individual discrimination refer person discriminate particular person group institutional discrimination refer discrimination particular person group entire institution answer concept check 1 interpersonal attraction make people like influence factor discuss chapter physical attractiveness similarity self disclosure reciprocity proximity 2 addition behavior intent cause harm aggression behavior increase relative social dominance aggression physical verbal nonverbal response caregiver upset departure caregiver comfort

return trust caregiver view secure base show preference stranger caregiver show little distress  
departure little relief return caregiver distressed departure caregiver mixed reaction clear  
pattern behavior exhibit repetitive behavior dazed frozen confused 4 social support  
perception reality care social network type discuss chapter emotional support esteem support  
material support informational support network support 5 altruism form help behavior people  
intent benefit cost 1 primacy effect power impression later impression individual recency  
effect weigh recent information person important halo effect occur apply general feeling  
person usually good bad specific characteristic person world hypothesis belief good thing  
happen good people bad thing happen bad people self serve bias tendency attribute success  
internal factor failure external factor 2

attribution theory focus tendency individual infer cause people behavior attribution divide  
type dispositional internal cause relate feature target situational external cause relate feature  
surrounding context 3 fundamental attribution error general bias make dispositional  
attribution situational attribution behavior especially negative context 4 attribute substitution  
occur individual judgment complex instead substitute simple solution heuristic 1 stereotype  
occur attitude impression base limited superficial information person group individual  
cognitive prejudice define irrational negative occasionally positive attitude person group thing  
form prior actual experience affective discrimination prejudicial attitude cause individual  
particular group treat differently behavioral 2 power prestige class influence prejudice  
unequal distribution wealth influence resource 3 ethnocentrism refer practice make judgment  
culture base value belief culture cultural relativism refer recognition social group culture study  
term case individual perceive group individual belong reaction group determine paradigm  
science mastery assessment answer choice influence social attraction proximity deal tendency  
attract physically close aggression influence amygdala prefrontal cortex activity activity  
amygdala increase aggression prefrontal cortex control aggression decrease activity  
prefrontal cortex associate increase aggression attachment pattern representative secure

attachment secure attachment see child consistent caregiver able explore know secure base  
return child upset departure caregiver comfort resume explore return caregiver polygamy  
involve have exclusive relationship partner female polygyny male polyandry monogamy c  
consist exclusive mating relationship promiscuity d refer mate exclusivity person ventromedial  
hypothalamus injury feel satiated eat feel sensation stop eat person lateral hypothalamus  
injury feel hunger decrease food intake d phenotypic benefit refer observe trait individual  
attractive member specie benefit associate increase fitness direct material advantage direct  
benefit c indirect benefit involve increase genetic fitness offspring evolutionary psychology  
inclusive fitness measure number offspring individual support offspring offspring support  
inclusive fitness promote idea altruistic behavior improve fitness success species behavior  
scenario describe altruism benefit expense primary component perception perceiver target  
situation impression form meet influence number perceptual

perception perceiver target situation impression form meet influence number perceptual bias  
primacy effect refer occasion impression important subsequent impression halo effect  
cognitive bias judgment individual character affect overall impression individual self serve bias  
refer fact individual view success base internal factor view failure base external factor type  
attribution fall main category dispositional internal situational external dispositional internal  
cause relate feature person behavior consider situational external cause relate feature  
surrounding stereotype threat refer phenomenon people concerned anxious confirm negative  
stereotype social group stereotype threat hinder performance create self fulfil prophecy  
discrimination prejudicial attitude cause individual particular group treat differently prejudice  
attitude discrimination behavior game theory originally design study decision making  
behavior economic mathematic describe decision making politics biology philosophy field  
consult online resource additional practice behavioral science chapter 5 motivation emotion  
stress behavioral science chapter 6 identity personality behavioral science chapter 8 social  
process attitude behavior behavioral science chapter 9 behavioral science chapter 11 social



structure demographic behavioral science chapter 12 social structure science mastery assessment pre med know feeling content know mcat know important high yield badge book help identify important topic science mastery assessment tool mcat prep arsenal quiz take online resource guidance help ensure spend appropriate time chapter base personal strength weakness worry skip mean study later prep complete length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read corresponding subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept

review question answer correctly ensure thinking match explanation review concept summary end chapter 1 following well describe manifest a. intend positive effect system b. intend negative effect system c. unintended positive effect system d. unintended negative effect system 2 study nod mean yes culture representative following sociological concept a. demographic transition b. expectancy theory c. symbolic interactionism d. demographic shift 3 following ethical principle state physician avoid treatment great potential harm benefit 4

cuban american man live united states dominant physical feature black man speak spanish prefer latin food listen latin music preference well define a. b. ii c. ii iii d. ii iii 5 patient reside united states say i love hug doctor routine visit behavior violate a. personal belief b. patient autonomy c. social value d. social norm 6 following demographic measure event 1000 people year i. birth rate ii fertility rate iii mortality rate a. b. iii c. ii iii d. ii iii 7 500 american indian tribe different healing practice tribe ceremony include chanting singing body painting dancing use

mind- alter substance persuade spirit heal sick person ceremony example a. latent function c. cultural barrier d. social movement 8 decade united states population a. big old diverse b. big young diverse c. small old diverse d. small old diverse 9 follow example material culture a. traditional kenyan clothing b. japanese cuisine c. american value d. american indian sand painting 10 stage demographic transition birth rate mortality rate low a. stage 1 b. stage 2 c. stage 3 d. stage 4 11 shortly state legalize gambling casino formal coalition form oppose building casino major city state i. conflict theory ii social institution iii social movement a. b. iii c. ii iii d. ii iii 12 young adult male claim sexual relationship man attract woman time likely score kinsey scale 13 following demographic variable know biologically d. sexual orientation 14 follow contribute increase population growth a. fertility rate 2 b. immigration rate large emigration rate c. increase mortality rate d. decrease birth rate 15

urbanization cause following negative effect a. decrease opportunity social interaction b. increase transmission infectious disease c. decrease air quality sanitation d. increase rate violent crime social structure chapter 11.1 sociology theory institution material symbolic culture value belief norm ritual evolution human culture common demographic category demographic shift social change content chapter relevant 13 question behavioral science mcat chapter cover material following aamc content 7b social process influence human behavior 9a understand social structure 9b demographic characteristic process frail old man admit intensive care unit local hospital gaunt weigh 100 pound severe respiratory distress near circulatory collapse intensive care team work stabilize patient start intravenous line pump fluid patient scream statement language team speak eventually sedate intubate ventilate begin run test discover man widespread metastatic lung cancer unlikely cure control chemotherapy radiation patient wife child visit morning tell bad news cry time turn intensive care team ask inform patient grave diagnosis explain culture family member expect healthcare decision ill avoid burden matter member medical team feel adhere tenet local medical ethic country law allow patient healthcare decision head hospital ethic committee

team help decision ethicist sociologist alike wrestle medical dilemma like clinician diversify society certainly run challenging situation like try balance patient cultural belief process protocol healthcare system work chapter explore sociological topic mcat focus theoretical model key institution likely test explore culture finally describe demographic mathematical statistical modeling 11.1 sociology theory chapter 11.1 able recall primary thesis major sociological theory include functionalism conflict theory symbolic interactionism social constructionism rational choice theory feminist theory contrast manifest latent function give element sociological list key tenet american medical ethic sociology study society create society interact change society define normal abnormal society psychologist focus behavior individual sociologist focus way group organize interact course difficult describe society human society completely uniform instead distinct culture subculture

describe society human society completely uniform instead distinct culture subculture group institution structure pattern interest result sociologist study subject different level micro level consist family group local community meso level consist organization institution ethnic subculture macro level consist national international system human interaction complex sociologist propose model call theoretical approach sociology help analyze explain aspect human social behavior sociologist necessarily disagree model good model create explain certain aspect sociology inadequate explain aspect example theoretical approach examine symbolic interactionism study human interact communicate language writing symbol contrast approach call conflict theory examine group little power society rise create equality model necessarily compete explanation examine vastly different aspect human interaction model necessary read section track aspect human behavior model explain weakness model example approach symbolic interactionism social constructionism rational choice exchange theory tend focus society micro- meso level hand conflict theory structural functionalism feminist theory applicable communication human stretch far language speak sign write body tool communication posture facial expression informal hand gesture recognize meaning image

like smiley face traffic sign corporate logo sacred emblem like cross star david star crescent  
communicate deep religious significance clothing communicate meaning object image sound  
action carry meaning human symbol importantly accord definition physical object symbol  
symbol need physical object example speak word symbol meaningful grunt body language  
hand gesture symbol carry meaning existence symbol symbolic interactionism approach  
sociology pioneer influential sociologist george herbert mead attempt understand human  
action interaction study symbol use communicate theoretical approach make main  
assumption human behavior human act symbol base meaning symbol meaning symbol carry  
come social interaction human interpret meaning symbol interpretation accord symbolic  
interactionism human different low animal low animal simply respond stimulus human  
capability interpret stimulus react example dog bare tooth gesture dog interpret symbol  
aggression low animal able conceive alternative meaning gesture contrast thumb gesture  
american culture

able conceive alternative meaning gesture contrast thumb gesture american culture generally  
signify approval different context sarcastically communicate disapproval middle eastern  
country offensive gesture meaning thumb symbol depend social cultural understanding  
person interpretation figure 11.1 symbolic interactionism hand gesture carry meaning culture  
thumb sign approval american culture middle eastern country hand gesture carry different  
meaning different culture different culture unique language slang alphabet number system  
traffic sign fact meaning symbol differ group group culture share understanding symbol  
micro- meso level phenomenon major limitation symbolic interactionist approach overlook  
macro- level structure like cultural norm class interaction agree meaning symbol change  
example peace sign today symbol signify peace freedom general originally indicate support  
nuclear disarmament specifically society interpretation peace sign broaden time example  
show meaning symbol come symbol implicit social agreement symbol example social  
construct social construct idea create accept people society social constructionism attempt

understand society study society social symbolic interactionism reflect use symbol interact social constructionism reflect society construct concept symbol type social construct abstract idea social construct example definition concept like honor justice rely group agreement individual give society concept social construct sociologist apply social constructionism physical object money paper money coinage inherently significant value society imbue object value trade good service example social construct include work ethic acceptable dress gender role symbolic interactionism social constructionism useful explain micro- meso level sociological phenomenon social construct depend society study different society different social construct like symbolic interactionism limitation social constructionism theory account macro level sociological phenomenon rational choice exchange theory rational choice theory micro- meso level approach sociology theory focus individual decision making accord rational choice theorist human rational choice self interest theory claim people weigh cost benefit make choice rank option base maximize perceive benefit example decide purchase new laptop rational choice theory claim person gather information characteristic cost performance

rational choice theory claim person gather information characteristic cost performance brand recognition rank option choose good laptop example illustrate rational choice theory influence study economic rational choice theory model sociology idea rational transaction apply social interaction rational choice perspective view social interaction transaction consideration benefit harm individual outcome give social interaction associate particular social reward accolade honor prestige social approval particular punishment embarrassment humiliation sanction stigmatization rational choice perspective individual carefully consider possible reward punishment social action choose option result great social benefit accord rational choice theorist people evaluate reciprocity balance social relationship people stay relationship exchange leave relationship social cost benefit view relationship exchange social value rational choice theory call social exchange theory exchange theory short rational choice exchange theory acceptable explain micro- meso level sociological phenomenon rational

choice exchange theory easily explain charitable illogical unselfish conflict theory macro theory attempt understand society examine inevitable conflict group society conflict theory origin writing karl marx 19th century social philosopher examine influence capitalism 19th century society capitalism economic system individual corporation government control marx call mean production mean property machinery factory mean create saleable good service accord marx private ownership naturally lead small wealthy capitalist bourgeoisie class control mean production marx model rest society relegate low worker proletariat class perform manual labor capitalist class own mean production class power worker class disparity power resource group lead conflict accord marx conflict society physical eventually worker class rise overthrow capitalist class form new classless society conflict theory apply healthcare medicine conflict theorist deny modern healthcare help people maintain restore health ask hold power healthcare system patient doctor hospital pharmaceutical company insurance company government issue united states continue marx focus specifically conflict capitalist worker modern conflict theory expand idea examine conflict group power example conflict exist people different generation different religion different region country

conflict exist people different generation different religion different region country accord conflict theory conflict individual group power attempt preserve power shape structure society group power use influence dictate law custom cultural norm society accord conflict theorist people low status position recognize power differential share common dissatisfaction individual organize form interest group use tool protest vote enact change equalize power short accord conflict theory powerful society maintenance status quo usually desirable powerful change come disruption revolution conflict theory useful model describe large scale change macro level societal phenomenon effective explain choice individual society conflict theorist tend focus social stress disharmony conflict theory effective model explain social cohesion cooperation way structural functionalism inverse conflict theory founder structural functionalism émile durkheim interested large society survive long time period concerned

social cohesion stability durkheim compare society organism propose group society role play overall health operation society role different way different organ different cell different function organism important durkheim call social group role function contribution group system accord structural functionalist theory different group society work unconscious automatic way maintenance equilibrium structural functionalism function manifest latent manifest function intend consequence action group society organization institution unintended beneficial consequence call latent function example annual meeting medical society manifest function educate group physician share research finding set goal year meeting create strong interpersonal bond physician provide sense identity group latent function hand manifest latent function provide benefit society dysfunction negative consequence existence institution organization interaction structural functionalism focus social cohesion equilibrium approach suit explain social change additionally structural functionalism attempt explain group interact group explain individual interact group understand kind micro level interaction model well suited feminist theory critique institutional power structure disadvantage woman society feminist theory originally offshoot conflict theory conflict theory perspective feminist theory describe society inherently patriarchal man seek preserve position power woman societal privilege

inherently patriarchal man seek preserve position power woman societal privilege institutional discrimination example feminist theorist argue study sociology historically dominate male develop country gender stratification inequality typically lessen result activism feminist interest group imbalance power exist workplace example term glass ceiling refer process limit progress woman high job position invisible social barrier promotion contrast case man seek climb job ladder invisible social force push man high position phenomenon call glass escalator glass escalator especially prevalent man work traditionally female occupation behavioral science guide example expert in society face increase amount migration ethnic integration concern intergroup conflict prompt research effect diversity society previous study diversity

suggest ethnic diversity negatively impact social cohesion  
critic point historic measure social cohesion focus single indicator trust volunteering social cohesion doubt current study seek operationalize social cohesion comprehensive set indicator ethnic diversity find associate low social cohesion respect indicator particularly volunteering feeling safety trend generalize include large scope indicator social cohesion neighborhood social capital belonging heterogeneous group show increase contact subject assessment survey show significant increase feeling trust safety social capital result previous study possibly wrong new result increase cohesion experiment iv look adapt mckenna s lee e klik ka markus hewstone m reynolds kj 2018

diverse society cohesive test contact mediate contact theory plos 13(3 e0193337

conflict theory relate result study question tough result study suggest conflict expect diverse society face question ask apply concept new situation useful think critically definition concept accord conflict theory institution arise result power differential individual institution seek maintain power conflict situation accord study great deal diversity area low interaction different group situation measure social cohesion decrease include feeling safety people close quarter diverse particularly interact regularly perceive threat establishment maintenance power differential increase increase conflict group study find people close quarter diverse population interact diverse report increase feeling trust safety social capital indicate reduction perceive threat group infer increase interaction counter conflict theory effect note early increase trust safety reduce fear generally fear loss power specifically reduction perceive threat increase social cohesion motivation conflict decrease power differential threaten group actively integrate exist power structure summary conflict theory provide explanation interact diverse society experience perceive threat conflict motivation study indicate perceive threat effect possibly societal conflict overall counter increase social interaction social institution establish social structure dictate certain pattern behavior relationship accept fundamental



culture social institution regulate behavior individual core area society example family social institution encourage learning acceptable behavior socialization bonding institution exist meso level sociological analysis society dependent individual involve united states idea government stay basically president senator representative official change exact nature institution differ culture culture institution perform similar role regardless culture institution dependent support competition resource bring institution conflict summary major social institution provide table 11.1 end section table 11.1 social institutions need meet kind clean home have child faithful life death meaning loss desire connect god holy text teaching need meet government maintain social acting good interest pay bill heal sick care stay good definition family differ greatly culture culture term mean people maintain close tie relate blood family simply people live house fact term different

relate blood family simply people live house fact term different family member sister father cousin conserve time culture different pattern kinship reflect term example common hawaiian culture refer family member cousin term americans describe mother brother term uncle prefer continental americans different pattern kinship society bear responsibility child rearing familial loyalty boundary consider incest regardless definition family basic institution institution closely tie individual help meet basic need especially young provide food shelter emotional physical security intimacy additionally life ritual rite passage marriage funeral graduation occur context family family help meet basic need base maslow hierarchy pyramid maslow hierarchy need discuss chapter 5 mcat behavioral science review sociologist study family relationship examine stage coupling courtship cohabitation engagement marriage change relationship spouse time parenting parenting complex topic involve socialization child varied definition role father mother child single parenting sex parenting adoption foster parenting family compose mother father child alternative form exist include single- parent family family cohabitate family member nuclear family grandparent aunt uncle cousin godparent surrogate kin family marital disunion divorce number different family structure

illustrate figure 11.2 figure 11.2 family structures divorce rate united states rise significantly second half twentieth century start drop decade mcat expect know specific demographic number exam familiar recent trend see united family source joy support source violence spousal abuse domestic violence see social class gender include physical violence sexual abuse emotional abuse financial abuse domestic violence 1 cause injury

american woman common family drug abuse especially alcoholism victim domestic violence find challenging leave abusive relationship variety reason include lack safe haven escape financial restriction psychological disorder consider connection learn helplessness describe chapter 6 mcat behavioral sciences review elder abuse see socioeconomic class commonly manifest neglect old relative physical psychological financial abuse occur caretaker individual commonly source abuse finally child abuse commonly manifest neglect physical sexual psychological abuse common medical school train recognize certain sign suggestive nonaccidental trauma break femur child young begin walk burn mark buttock place child scald water physician consider mandate reporter mean legally require report suspect case elder child abuse domestic abuse fall mandate reporting law counseling information shelter victim intimate partner violence provide education institution aim provide population set skill useful society society education formal word take place setting designate educational purpose prescribe curriculum function formal education teach skill fact mental process system social latent function provide opportunity peer socialization reinforce social stratification individual school comparison school education include information cognitive skill student learn hide curriculum transmit social norm attitude belief student sociological investigation education focus ethic moral practice political influence finance value education system sociologist explore educational trend include grade inflation deflation adult education online education accessibility education performance education system depend student intrinsic ability education system teacher expectancy refer idea teacher tend expect student teacher place high demand student believe student rise challenge student succeed teacher place demand

doubt student achieve example self fulfil prophecy discuss chapter 10 mcat behavioral sciences review difference teacher motivate interact offer feedback student education susceptible inequality socioeconomic class low socioeconomic status associate decrease accessibility quality education easy trend reverse low funding deprioritization education poor historical performance challenging fail school district acquire resource improve education student mention early institution intentionally unintentionally connect know persistent association education medicine health

institution intentionally unintentionally connect know persistent association education medicine health disparity educate educate individual significant lack education hurdle access trust healthcare provider institution religion pattern social activity organize set belief practice seek address meaning existence religiosity refer religious consider oneself include strength religious belief engagement religious practice attitude religion approximately 75 population identify major religion buddhism christianity hinduism islam judaism religion generally divide multiple denomination sect share certain belief practice denomination simply church term refer large universal religious group building congregation group meet orthodox reform example jewish denomination sunni shia example islamic denomination denomination coexist come conflict religious belief promote oppose value word sect historically pejorative term refer properly religious group choose break parent religion amish consider sect christianity rare case religious sect extreme deviant philosophy transform cult century continue religious group exist form thousand year grapple find place contemporary society religious group reflect shift modernization religion relax historical practice shift away religion society secularize move world dominate religion rationality scientific thinking group maintenance strict adherence religious code fundamentalism predominate spirituality religion equivalent term link seek understand meaning existence identify sacred spirituality religion play role patient understanding disease impact healthcare decision essential component patient coping mechanism government economy government economy define systematic arrangement

political capital relationship activity social structure affect rule making representation individual society right privilege division labor production good service notably political economic institution impact institution extent government sanction define specific family structure finance regulate education recognize religion play key role fund certify healthcare medicine effect economy institution view individual level example economy take downturn large swath population trouble support family pay health insurance note institutional influence bidirectional economic downturn change family education health individual choose vote new political candidate office support oppose particular piece depth exploration american government outside scope mcat ask distinguish different type government democracy

government outside scope mcat ask distinguish different type government democracy allow citizen political voice usually elect representative office i.e. representative democracy monarchy include royal ruler king queen ruler power significantly limit presence constitution parliamentary system legislative body dictatorship system single person hold power usually include mechanism quell threat power theocracy system power hold religious leader system leadership base charismatic authority leader comparative economics large division capitalist socialist economy capitalist economy focus free market trade laissez faire policy success failure business primarily drive consumerism little intervention central governing body possible capitalism private owner corporation maintain profit success business capitalist society encourage division labor specific component large task develop manufacturing quality testing market good separate assign skilled train individual promote specialization efficiency socialist economy hand treat large industry collective shared business compensation provide base work contribution individual system profit distribute equally workforce form government economy define explain necessary test day healthcare medicine institution healthcare medicine aim maintain improve health status individual family community society healthcare change field key goal american healthcare past decade include increase access care decrease

cost healthcare prevention disease occur association patient primary care physician patient-center medical home increase education public public health outreach decrease paternalism doctor know good mentality reduce economic conflict interest physician life course approach health maintain consider comprehensive view patient history immediate shift role patient medical system mid twentieth century sociologist believe patient ill take call sick role sociologist believe patient responsible illness exempt normal social role hand sociologist believe patient obligation want seek competent help paradigm exist patient expect ownership health diet exercise seek help need annual primary care visit screening modern sociologist recognize notion patient feel obligation want well fit patient chronic long term permanent condition understanding disease shift time hand ordinary part human condition include range sexual orientation gender identity long

part human condition include range sexual orientation gender identity long define medical condition misguidedly early edition dsm hand type behavior medicalize mean define treat medical condition shift see addition number diagnostic entity dsm-5 hoarding disorder binge eating disorder medical community recognize health characterize physiological wellness disease person subjective experience health phrase illness experience refer way people doctor define adjust change health example people experience disease illness case live productive life manageable condition hiv people experience illness disease person experience somatic symptom result

sociologist study healthcare interested

social epidemiology epidemiology study health determinant society discuss detail chapter 12 mcat behavioral sciences review social epidemiology specifically study effect institution social structure relationship health social epidemiologist study effect racial economic inequality government safety net legislation health access healthcare interested social condition early

life affect healthcare outcome later addition sociologist investigate medical ethic united states physician expect adhere key tenet medical ethic beneficence physician responsibility act patient nonmaleficence harm physician responsibility avoid treatment intervention potential harm outweigh potential benefit respect patient autonomy physician responsibility respect patient decision choice healthcare exception rule significant psychiatric illness interfere decision making capacity child public health threat patient right refuse life save therapy justice physician responsibility treat similar patient similar care distribute healthcare resource fairly mcat concept check 11.1 assess understanding material question 1 manifest latent function 2 theoretical approach list primary thesis idea theory primary thesis idea rational choice exchange theory 3 key tenet american medical ethic provide short description chapter 11.2 able distinguish material symbolic culture recall definition difference value belief norm ritual culture description culture context group process describe chapter 8 mcat behavioral sciences review study culture likely diverse complex dimension sociology culture define encompass entire lifestyle give group bind nation state political institution marketplace religion ideology culture flavor interpretation world generally pass familial line short culture make human society unique ethnography study culture custom ethnographic method experimental method study ethnicity culture group material symbolic culture sociologists view culture accord different category material culture symbolic culture symbol discuss chapter 6 mcat behavioral sciences review discern lot people look artifact material item possess value examination surround material culture include physical item associate give group artwork emblem clothing jewelry food building tool sociologist explore meaning object give example material culture united states american flag item reinforce sense belonging share american citizenship symbol consider traditionally

item reinforce sense belonging share american citizenship symbol consider traditionally american include barbecue baseball apple pie rock roll material culture visible ceremony birthday wedding funeral artifact traditional indian material culture show figure 11.3 figure

11.3 material culture material culture include object important group include clothing jewelry cuisine ceremonial object symbolic culture call nonmaterial culture focus idea represent group people encode motto song catchphrase simply theme pervasive culture phrase like free enterprise life liberty pursuit happiness example american symbolic culture material culture tangible embodiment underlie idea symbolic culture material culture associate artifact object symbolic culture associate idea social group remain connected time culture bind member time war crisis government draw symbolic culture rally people action song parade discussion hero past show figure 11.4 coincidence high school school mascot school color school song cultural artifact place help create share sense identity loyalty belonging symbolic culture include cognitive behavioral component inform cultural value belief cultural norm communication style figure 11.4 symbolic culture symbolic culture include idea identify culture draw encourage loyalty patriotism symbolic culture usually slow change material culture lead phenomenon culture lag expansion device technology contemporary time prototypical example culture lag american culture prize individuality privacy development smartphone social medium push community orient private world evidence symbolic culture begin change response technological material innovation young generation appear concerned personal information publicly accessible old language highly developed complex symbol system culture language consist speak write sign symbol regulate accord certain rule grammar syntax language enable share idea thought experience discovery fear plan desire write language extend capacity communicate spatial temporal boundary language difficult transmit culture understand group language critical understand culture language critically important transmission culture require complex interplay multiple brain circuit discuss chapter 4 mcat behavioral sciences review value belief norm ritual important component culture rule structure society value person deem important

important component culture rule structure society value person deem important life dictate ethical principle standard behavior belief individual accept truth culture belief value system

important future career patient tend carry belief healthcare system example describe chapter introduction asian culture believe healthcare decision responsibility patient family avoid burden patient ill have decision belief direct contrast american belief patient autonomy prize healthcare decision patient possible conflict prove challenging healthcare professional correct answer dilemma situation cultural difference impede interaction call cultural barrier health system ethic board deal conflict arise difference belief system patient practitioner ethical issue committee tend facilitate discussion simply issue decision describe chapter 8 mcat behavioral sciences review norm societal rule define boundary acceptable behavior norm law govern behavior individual society provide sense social control norm provide sense appropriate norm exist behavior speech dress home life ritual formalized ceremony usually involve specific material object symbolism additional mandate acceptable behavior ritual tend prescribe order event routine ritual associate specific milestone baby naming graduation ceremony wedding funeral holiday thanksgiving dinner trick treating halloween passover seder show figure 11.5 regular activity catholic mass pregame pep rally get ready morning shower brush tooth eat breakfast figure 11.5 passover seder example ritual seder mean order hebrew ritual specific order event evolution human culture evolution select development culture culture serve method pass information generation generation prehistoric time transmission information culture serve teach future generation create tool hunt domesticate animal grow crop culture create sense loyalty allegiance describe chapter 10 mcat behavioral sciences review help explain altruistic behavior finally culture create sense vs. presumably serve role dispersion population globe different environmental niche culture turn influence evolution evidence genetic trait favor cultural value belief example human being lactose intolerant animal able digest milk adolescence animal ingest animal milk evolutionary adaptation arise northern european culture rely heavily cattle farming sustenance

adaptation arise northern european culture rely heavily cattle farming sustenance mutation permit digestion milk adulthood presumably impart nutritional survival advantage certain



individual retain mcat concept check 11.2 assess understanding material question 1 material symbolic culture 2 difference value belief chapter 11.3 able distinguish race ethnicity describe symbolic ethnicity describe fertility rate birth rate mortality rate shift demographic transition recall example proactive reactive social movement type movement differ demographic refer statistic population mathematical application sociology demographic gather informally professor ask freshman sophomore junior senior give course gather formally example united states census bureau gather demographic datum individual country year common demographic category demographer classify individual base hundred different criterion mcat expect know advanced topic demographic familiarity common demographic category implication society healthcare important section explore age gender race ethnicity sexual orientation immigration status aging inevitable process experience people world section explore implication individual age healthcare dive deeply implication society consider individual age cumulative life experience analyze personality social status health social metric know life course perspective refer life course approach example healthcare psychiatrist consider patient early life event event continue impact patient condition general practitioner choose conduct additional lung screening patient previously work coal example physician incorporate life course perspective treatment patient potentially large difference experience age cohort prejudice discrimination base person age arise know ageism see age example young professional enter workplace view inexperienced opinion idea ignore downplay old individual perceive frail vulnerable intelligent treat respect order understand analyze age relate difference researcher group individual base age birth year grouping know age cohort call generational cohort utility age cohort go understand difference individual life course allow researcher look population macroscopic level analysis population distribution age cohort predict demographic shift age population shift develop developed economy stable population explore example demographic tool age cohort weave way everyday language hear term like tool age cohort weave way everyday language hear term like silent generation baby boomers

generation x millennial generation y generation z encounter age cohort generational term  
group individual birth year age cohort group individual base current age 0 14 15 30 etc

united states sociologist document graying america baby boomer generation age term baby  
boomer stem large spike fertility rate birth rate world war ii word boom baby baby boom span  
1940 1960s 70 million americans 65 old 2030 represent nearly 20 percent population fast grow  
age cohort united states 85 old group profound effect healthcare 40 percent adult patient  
acute care hospital bed 65 old consider shift demographic government program medicare  
social security experience increase demand pose challenge program situation application  
dependency ratio ratio number member population workforce number member workforce  
ratio depend component youth ratio age dependency ratio youth ratio define number people  
age 15 divide number people age 15–65 age dependency ratio define number people 65  
divide number people age 15–65 apply society dependency ratio quantify economic burden  
feel work age population 15–65 order support portion population outside workforce 15 65  
contrast united states develop country uganda reverse trend 48 population age 15 year old  
result dependency ratio 1 2 population 65 year mean dependent population roughly equal  
work age population explain country steadily drop infant mortality rate decade forecast 10 20  
year uganda predict large proportion population enter work age age cohort lead increase  
country economic productivity demographic shift match job growth occur unemployment rate  
increase lead civil unrest negative outcome shift develop develop country explain  
demographic transition theory cover later chapter finally population fertility rate mortality rate  
remain relatively consistent long period time distribution population age cohort remain fairly  
constant know stable sex gender synonymous term sex biological category specie include  
human phenotypical female individual produce large gamete ovum carry offspring gender  
refer society notion femininity masculinity sexual identity gender socially construct set idea  
mean male female give culture culture idea gender usually include expect behavioral trait  
associate particular sex expect behavioral trait know gender role gender

associate particular sex expect behavioral trait know gender role gender role social construct individual understand socially construct behavioral expectation individual adopt behavior project gender individual wish portray know individual gender identity gender segregation separation individual base perceive gender segregation include division male female gender-neutral bathroom separate male female sport team difference gender phenomenon gender segregation necessarily imply inequality inequality occur gender inequality intentional unintentional empowerment gender detriment presence gender inequality gender stratification occur gender stratification define inequality access social resource base gender example social stratification general study chapter 12 mcat behavioral sciences review illustrate difference gender segregation gender stratification single gender school example gender segregation child enrol school necessarily receive unequal quality education systemic difference resource allocation single gender school result uneven access resource lead gender stratification race ethnicity definition race change recent history continue change term originally refer speaker common language later indicate national origin term historically denote certain share phenotypic similarity people racial category currently recognize u.s. census exemplify shift definition race category white black asian american indian alaskan native native hawaiian pacific islander observe racial category like white black describe phenotypic similarity category like american indian pacific islander base national origin furthermore country use racial label fact officially recognize race differ country uniform agreement racial category society generate racial label make race certain racial ethnic group high incidence specific health problem example chinese population account disproportionate number chronic hepatitis b infection liver cancer mediterranean african population significantly high rate hemoglobinopathy disease relate hemoglobin ashkenazi jewish population high rate autoimmune disease american indian population associate gallbladder biliary tree disease particular race ethnicity necessary development disease certainly associate increase risk race consistently define sociologist concern concept answer racial label socially

construct materially affect life people institutionalize practice preference discrimination order  
define race scientifically sociologist specify term race refer

discrimination order define race scientifically sociologist specify term race refer socially  
construct grouping people base specifically inherit phenotypic characteristic note human  
history migration mixing population mean genetically isolate people leave earth sociologist  
recognize scientifically categorize people genetic difference possible society continue  
generate racial label base perceive phenotypic difference sociologist study society treat  
socially define racial group important takeaway discussion sociologist narrow definition term  
race refer specifically attempt group people phenotypic difference sociologist recognize  
society group people share language cultural heritage religion and/or national origin term  
sociologist use type grouping ethnicity certain ethnicity associate certain racial label race  
ethnicity distinct illustration difference african american individual african immigrant west  
indian immigrant speak different language express different cultural norm group represent  
different ethnicity phenotypic similarity share member group individual group generally give  
racial label like race ethnicity social construct ethnic label criterion inclusion certain ethnic  
group change society society change time symbolic ethnicity describe specific connection  
ethnicity ethnic symbol identity remain important ethnic identity play significant role everyday  
life example irish americans united states celebrate heritage day year st. patrick day facet life

individual irish- american ethnicity play significant role example include attend folk festival  
visit specific cultural locale holiday participate ethnic celebration important consider race  
ethnicity affect ability receive proper healthcare agency healthcare research quality ahrq  
government agency report race ethnicity influence patient chance receive specific procedure  
treatment conscious unconscious bias evidence different race offer level care escalation public  
health outreach effort aim close gap health disparity population health healthcare disparity  
discuss chapter 12 mcat behavioral sciences review hand number public health outreach

project target risk racial ethnic population education screening treatment specific strategy gear close gap health disparity large university health system run free clinic local neighborhood target specific population example clinic staff spanish speak doctor medical student cater hispanic immigrant population sexual orientation define direction sexual interest scientific healthcare community sexual orientation historically divide category heterosexual attraction individual different sex bisexual attraction member multiple sex homosexual attraction individual sex sexual orientation involve person sexual feeling significant contributor person sense identity evident person appearance behavior disclosure minority sexual orientation call come closet major milestone absorption sexuality identity disclosure show therapeutic effect come associate decrease depressive anxious symptom link cortisol level stress human sexuality continue important area research psychologist sociologist biologist alike evidence show sexuality likely fluid previously believe alfred kinsey pioneer area addition number model publication describe sexuality zero scale zero represent exclusive heterosexuality represent exclusive homosexuality rank kinsey scale people actually fall category zero significant proportion population fall sexual gender identity minority group umbrella term lgbtq lesbian gay bisexual transgender queer question case acronym expand include self definition sexuality sexual identity include intersex asexual health disparity recognize lgbtq community significant historical disparity hiv disproportionately affect individual gay urban environment early 1980s prevalence hiv slightly high man sex man msm exist population effort encourage safe sex increase screening help slow epidemic

population effort encourage safe sex increase screening help slow epidemic hiv increase awareness hiv aids project like aids memorial quilt show figure 11.6 healthcare system individual lesbian receive screening cervical cancer screen sexually transmit infection individual transgender multiple area increase risk include label unsupervised use street hormone proper counseling effect figure 11.6 aids memorial quilt mental health disparity common lgbtq community lgbtq youth significantly high risk bullying victimization violence

high rate suicide adult lgbtq population high prevalence depression anxiety heterosexual  
cisgender counterpart addition man gay increase rate eating disorder compare man  
heterosexual host campaign outreach effort begin target disparity accord census bureau  
nation total recent immigrant population grow rapidly quantify 40.4 million 2011 expect  
increase roughly 20 million decade tell immigrant document undocumented interweave social  
structure institution united states nativity immigrant population change time recent census  
large proportion immigrant emigrate mexico caribbean india generational status refer place  
birth specific person person parent instance generation refer bear outside place residence  
second generation refer person parent foreign bear consider number immigrant community  
barrier affect interaction social structure institution complex organization united states  
healthcare system starkly different nation present barrier use immigrant language barrier  
difficult immigrant access healthcare control healthcare decision telephone translation service  
create help facilitate conversation clinician patient racial ethnic identity apparent generation  
immigrant bias prejudice certain racial ethnic group compound individual immigrant status  
interplay multiple demographic factor especially lead discrimination oppression term  
intersectionality finally undocumented status present major barrier immigrant access  
healthcare fear reporting deportation demographic shift social change 1950 united states  
population roughly double addition increase size makeup american population change  
significantly average age united states increase population continue racially ethnically diverse  
example demographic shift change makeup population time shift measure consider  
population density count number people square kilometer land area population projection  
attempt predict change population size time

land area population projection attempt predict change population size time assist historical  
measure growth understanding change social structure analysis demographic information aid  
construction population projection population pyramid provide histogram population size age  
cohort show figure 11.7 figure 11.7 u.s. population pyramid 2014 surplus occur gender large

population fertility mortality migration increase population united states number factor center fertility mortality migration fertility rate refer average number child bear woman lifetime population part world fertility rate primary driver population expansion example part africa average fertility rate child woman see figure 11.8 united states fertility rate trend downward time 2013 rate indicate fertility rate contribute population growth figure 11.8 fertility rate world 2013 base datum cia world factbook measure child bear woman population fertility rate = child woman lifetime birth rate = child 1000 people year mortality rate = death 1000 people year migration rate = immigration rate minus emigration rate mortality rate refer number death population unit time usually rate measure death 1000 people year advancement healthcare access mortality rate united states drop significantly past century mortality rate significant brake population growth part world demonstrate figure 11.9 decrease mortality rate united states contributor increase average age population decrease fertility rate addition aging baby boomer generation large generation united states history increase average age birth mortality rate report multiple form total rate population crude rate adjust certain population size specific period time multiply constant number age specific rate figure 11.9

mortality rate world 2009 base datum cia world factbook measure death 1000 individual year

finally migration contributor population growth immigration define movement new geographic space emigration movement away geographic space describe early united states continue large net immigration emigration drive increase population size immigration increase racial ethnic diversity united states increase mobility country increase intermarriage different race ethnicity migration motivate pull factor positive attribute new location attract new resident push factor negative attribute old location encourage existing resident leave united states population get big old average age increase diverse immigration mobility intermarriage demographic transition theory demographic shift refer general change population makeup time demographic transition specific example demographic shift occur

country develop preindustrial industrial economic system demographic transition see united states industrial revolution currently occur develop country demographic transition theory explain link economic development demographic shift stage stage 1 preindustrial society birth death rate high result stable population stage 2 economic progress lead improvement healthcare nutrition sanitation wage cause decrease death rate total population increase stage 3 improvement contraception woman right shift agricultural industrial economy cause birth rate drop example industrialize society child school year productive society need support parent long period time case family few child birth rate drop birth death rate equalize population growth hit inflection point begin level stage 4 industrialized society birth death rate low result relative constant total population model demographic transition see figure 11.10 figure 11.10 demographic transition demographic transition mortality rate drop birth rate population grow mortality rate drop plateau birth rate decrease recently sociologist describe fifth stage demographic transition theory birth rate continue drop fall death rate result decline total population japan germany currently experience demographic shift expect theorize fifth stage malthusian theory focus exponential growth population outpace growth food supply lead social degradation disorder example theorist predict demographic transition develop nation cause growth world population outpace world ability generate food result hypothetical mass starvation call

outpace world ability generate food result hypothetical mass starvation call malthusian catastrophe result similar death phase bacterial growth resource environment deplete describe chapter 1 mcat biology review social movement organize promote resist social change movement motivate group perceive relative deprivation decrease resource representation agency relative society relative group accustom past social movement promote social change term proactive resist social change reactive member social movement work correct perceive social injustice example proactive movement include civil right movement woman right movement gay right movement animal right movement environmentalism



movement example reactive movement include white supremacist movement counterculture movement antiglobalization movement anti immigration movement goal social movement establish coordinate organization example organization associate proactive movement include national association advancement colored people naacp american civil liberties union aclu human rights campaign hrc humane society greenpeace social movement seek share message medium demonstration political involvement common lobbying globalization process merging separate nation world single sociocultural entity relatively recent phenomenon spur improvement global communication technology economic interdependence globalization lead decrease geographical constraint social cultural exchange lead positive negative effect example availability food especially produce world entire calendar year accomplish trade extremely large number world market significant worldwide unemployment rise price increased pollution civil unrest particularly unindustrialized undemocratic nation global terrorism negative effect traditionally health sector organize national state local level begin change group world health organization american red cross doctors borders supply aid population need globe medical school increase opportunity medical student complete rotation country urbanization refer dense area population create pull migration word city form individual establish residency new urban center urbanization new phenomenon ancient population establish city jerusalem athens timbuktu location economic opportunity offer city creation large number world city fuel increase urbanization decade currently half world population live consider urban area sociologist professional find link urban society health challenge relate water sanitation air

find link urban society health challenge relate water sanitation air quality environmental hazard violence injury infectious disease unhealthy diet physical city rarely homogenous respect population makeup city area socioeconomically impoverished member specific racial ethnic religious group concentrate particular area usually social economic inequity extreme case show figure 11.11 arise extremely densely populate area city low quality informal

housing poor sanitation figure 11.11 disadvantaged area jakarta indonesia mcat concept  
check 11.3

assess understanding material question 1

difference race ethnicity 2 symbolic ethnicity 3 define following demographic statistic 4  
demographic transition happen mortality rate birth rate 5 type social movement major trend  
change nation healthcare need patient population increase diversity american population  
immigration increase social academic mobility interconnectedness technology put patient  
thought belief health starkly different second increased access healthcare reform legislation  
allow million americans reach provider time finally success medicine public health increase  
survival rate fatal condition enable live long leave age population individual cope multiple  
illness simultaneously arm physician future skill need care population medical school increase  
coursework interpersonal skill doctor patient relationship doctoring physician patient society  
course school cultural sensitivity recognition respect difference culture research ethic  
biopsychosocial model medicine describe chapter 7 mcat behavioral sciences review  
knowledge structure society shift time explain chapter enhance ability communicate patient  
unlike old model doctor know well refer paternalistic approach medicine today doctor work  
patient find solution health problem work patient term able help maintain improve health  
status begin correct health inequity exist today population chapter mcat behavioral sciences  
review explore inequity resource health status healthcare review content test knowledge  
critical thinking skill complete test like passage set online resource sociology theories  
institutions theoretical approach provide framework interaction observe society functionalism  
focus function component society component fit manifest function deliberate action serve  
help give system latent function unexpected unintended unrecognized positive consequence  
manifest function conflict theory focus power differential create differential contribute  
maintenance social order symbolic interactionism study way individual interact share

understanding word gesture social constructionism explore way individual group decision agree give social reality rational choice theory state individual decision maximize potential benefit minimize potential harm exchange theory apply rational choice theory social group feminist theory critique institutional power structure disadvantage woman society social institution establish social structure dictate certain pattern behavior relationship accept fundamental culture

social structure dictate certain pattern behavior relationship accept fundamental culture common social institution include family education religion government economy health key ethical tenet american medicine beneficence refer act patient good interest nonmaleficence refer avoid treatment risk large respect autonomy refer respect patient right decision healthcare justice refer treat similar patient similarly distribute healthcare resource fairly culture encompass lifestyle group people include material symbolic element material culture include physical item associate give group artwork emblem clothing jewelry food building tool symbolic culture include idea associate cultural group cultural lag refer idea material culture change quickly symbolic culture cultural barrier social difference impede interaction language consist speak sign write symbol combine system govern rule value person deem important life belief person consider true ritual formalized ceremonial behavior member group community regularly engage govern specific rule include appropriate behavior predetermine order event norm societal rule define boundary acceptable evidence culture flow evolutionary principle culture influence evolution demographic refer statistic population mathematical application sociology analyze hundred demographic variable common age gender race ethnicity sexual orientation immigration status ageism prejudice discrimination basis person age gender set behavioral cultural psychological trait typically associate biological sex gender inequality intentional unintentional empowerment gender detriment race social construct base phenotypic difference group people real perceive difference ethnicity social construct sort people cultural factor include language nationality religion factor symbolic ethnicity

recognition ethnic identity relevant special occasion specific circumstance specifically impact everyday life sexual orientation define sexual interest member different gender immigration movement new geographic area emigration movement away geographic area fertility rate average number child bear woman lifetime population birth rate relative population size time usually measure number birth 1000 people mortality rate average number death population size time usually measure number death 1000 people migration refer movement people geographic location demographic transition model represent drop birth death rate

geographic location demographic transition model represent drop birth death rate result industrialization social movement organize promote proactive resist reactive social change globalization process integrate global economy free trade tapping foreign labor market urbanization refer process dense area population create pull migration word create city answer concept check 1 manifest function action intend help system latent function unintended unstated unrecognized positive consequence action primary thesis idea society serve function function work correctly society overall power differential create group compete economic social political resource differential contribute maintenance social order human communicate word gesture symbol attach meaning individual group decision agree give social reality individual decision maximize potential benefit minimize potential harm critique institutional power structure disadvantage woman society act patient good interest harm avoid intervention potential harm outweigh potential respect patient decision choice healthcare treat similar patient similar care distribute healthcare resource fairly 1 material culture focus artifact associate group physical object artwork emblem clothing jewelry food building tool symbolic culture focus idea principle belong particular group 2 value person deem important belief person deem true term interchangeably everyday life specific definition social science 1 race base phenotypic difference group people ethnicity base common language religion nationality cultural factor 2 symbolic ethnicity recognition ethnic identity special occasion specific circumstance everyday 3 fertility rate average number child woman

lifetime population birth rate number birth population unit time usually measure birth 1000 people year mortality rate number death population unit time usually measure death 1000 people year 4 demographic transition mortality birth rate 5 proactive social movement favor specific social change reactive social movement run specific social science mastery assessment manifest function intended positive effect system latent function unintended positive effect system c negative effect system b d term dysfunction symbolic interactionism study individual interact share understanding word gesture symbol nod symbol n culture

interact share understanding word gesture symbol nod symbol n culture signify yes principle nonmaleficence state physician act heir patient good interest beneficence b avoid treatment potential harm outweigh potential benefit dominant physical feature associate race man preference latino ethnicity culture ethnicity social construct consider language religion nationality cultural factor culture relate group way life preference list question example material symbolic culture n united states common practice love hug physician routine checkup behavior considered deviant go social norm value c individual deem important birth rate mortality rate measure 1000 people year fertility rate measure number child woman lifetime ritual formalize ceremonial behavior member group community regularly engage activity example ritual perform healing decrease mortality rate high immigration rate migration rate united states population continue grow increase average age increase racial ethnic diversity material culture include cultural artifact object meaning assign value idea associate symbolic culture demographic transition birth rate mortality rate high n stage 1 mortality rate drop stage 2 b birth rate drop stage 3 c stage 4 birth rate mortality rate n scenario group fight social power aspect conflict theory group example reactive social movement run counter social change fact gambling legalize imply involvement government man describe sexuality homosexual also heterosexual attraction kinsey scale score 6 d exclusively homosexual score 3 equate bisexuality man likely score 4 5 ex determine genotype biologically determine gender match biological sex biologically determine ethnicity c social construct sort people cultural

factor biologically determine sexual orientation d biological component relative role biology environment know f immigration rate geographic area large emigration rate hen large influx efflux people increase population area urbanization migration people urban center create city ncrease population density provide additional opportunity ocial interaction decrease opportunity consult online resource additional practice behavioral sciences chapter 6 identity personality behavioral sciences chapter 8 social processes

chapter 6 identity personality behavioral sciences chapter 8 social processes attitudes behavior behavioral sciences chapter 9 behavioral science chapter 10 behavioral science chapter 12 biology chapter 12 genetics evolution science mastery assessment pre med know feeling content know mcat know important high yield badge book help identify important topic science mastery assessment tool mcat prep arsenal quiz take online resource guidance help ensure spend appropriate time chapter base personal strength weakness worry skip mean study later prep complete length test uncover specific piece content need review come chapter appropriate use assessment answer 0–7 question correctly spend 1 hour read chapter limited note follow review quiz question ensure understand solve answer 8–11 question correctly spend 20–40 minute review quiz question begin question miss read note correspond subchapter question answer correctly ensure thinking match explanation understand choice correct incorrect answer 12–15 question correctly spend 20 minute review question quiz miss include quick read correspond subchapter relevant content subchapter question review question answer correctly ensure thinking match explanation review concept summary end chapter 1 following well describe component socioeconomic status attributable direct individual effort a. ascribe status b. meritocratic competition c. anomic condition d. achieve status 2 follow display correct association a. high social networking low social capital b. high social mobility low social capital c. low social class low social capital d. low social networking high social capital 3 following phenomenon likely coincide a. hazardous waste facility low income neighborhood b. tuberculosis poor living condition c. environmental pollution

population underrepresented group d. globalization global equality 4 follow trend likely false  
a. mortality rate increase group low income b. life expectancy decrease group high income c.  
birth weight decrease child low income woman d. rate lung cancer increase low income group  
question 5–6

refer scenario describe small town 1000 resident include 500 male 500 female town 20 male  
prostate cancer calendar year 10 male diagnose prostate cancer assume male cure die year 5  
prevalence prostate cancer population develop condition end year a.  $10 \div 480$  b.  $10 \div 1000$  c.  
 $20 \div 500$  d.  $30 \div 500$  6 incidence prostate cancer population year a.  $10 \div 480$  b.  $10 \div 1000$  c.  $20$   
 $\div 500$  d.  $30 \div 1000$  7 low income single parent work time job live small apartment city single  
parent child grow similar job live similar housing example a. upward social mobility b.  
downward social mobility c. social exclusion d. social reproduction 8 follow true regard relative  
poverty a. individual relative poverty income poverty line b. individual relative poverty exhibit  
downward social mobility c. individual relative poverty upper class d. individual relative  
poverty exhibit upward social mobility 9 comparison urban center suburb tend a. large racially  
ethnically underrepresente population b. high rate poverty c. large upper- middle class  
population d. high rate crime homicide 10 following term refer burden degree disease  
associate give illness c. second sickness 11 compare white americans following racial ethnic  
group tend well overall health profile a. african americans b. asian americans c. hispanic  
americans d. american indians 12 following well describe population target medicare  
medicaid respectively a. medicare patient employer guarantee healthcare medicaid patient  
recently immigrate b. medicare patient recently immigrate medicaid patient employer  
guarantee healthcare c. medicare patient old age group medicaid patient low socioeconomic  
status d. medicare patient low socioeconomic status medicaid patient old age group 13  
morbidity increase low income group

following a. high rate obesity b. access healthcare c. high rate homicide d. low rate physical

activity 14 hypertension high blood pressure diagnose have reading high 140/90 different occasion separate week suppose criterion change include reading high 130/80 occasion change prevalence diagnose hypertension a. prevalence increase b. prevalence decrease c. prevalence remain d. information determine change prevalence 15 follow trend healthcare disparity a. female likely insure male b. primary care use likely male female c. low income individual difficulty access care high- d. lgbtq individual barrier healthcare individual chapter 12.1 social class aspect social stratification pattern social mobility 12.2 epidemiology disparity inequity health inequity healthcare content chapter relevant 9 question behavioral science

mcats chapter cover material follow aamc content 8b social thinking 8c social interaction 10a social inequality wonderfully witty oscar wilde say work curse drinking class quote intend humorous speak stereotypical characteristic associate socioeconomic class americans think class social stratification nonissue society unlike early feudal society americans royal gentry possess inherit title land palace consider equality orient society keep constitutional ideal explain difference wealth power privilege manhattan lawyer drive shiny porsche past homeless person root trash scene hard ignore uneven distribution material wealth overall social inequality united states understand social inequality america disparity impact health healthcare service examine aspect social stratification term class status social capital intersect race gender age focus pattern social mobility poverty location play major role health illness later connect race gender socioeconomic inequality impact health profile access quality healthcare 12.1 social class chapter 12.1 able explain socioeconomic status individual community define social capital social cohesion identify group suffer disproportionate social inequality describe relationship social mobility merit social class define category people share similar socioeconomic position society identify look economic opportunity job position lifestyle attitude behavior give slice society social cohesion social integration refer solidarity sense connectedness different social group social class society important mind socioeconomic status determine merit achieve status external characteristic outward appearance like skin color



gender ascribe status aspect social stratification social stratification focus social inequality  
study basic question get social stratification relate socioeconomic status ses depend ascribe  
achieve status cause emergence status hierarchy ascribed status derive clearly identifiable  
characteristic age gender skin color achieve status acquire direct individual effort word ascribe  
status involuntary achieve status obtain hard work merit important factor achieve status  
educational attainment high degree obtain number year education complete caste estate  
system stratify ascribe ses class system stratify achieve ses break free british colonial rule  
united states move class base system

free british colonial rule united states move class base system major type status ascribe  
achieve master status ascribe achieve status describe remember master status pervade  
aspect individual life role status social interaction discuss chapter 9 mcat behavioral sciences  
review class status power major class upper middle low vary different degree different  
location upper class consist great wealth recognize reputation lifestyle large influence society  
political economic system word upper class high concentration prestige power middle class  
divide level upper- middle middle middle low middle class middle class include successful  
business professional people upper middle unable achieve upper middle lifestyle educational  
economic shortcoming middle middle skilled semiskilled worker few luxury lower middle low  
class include people low income greatly reduce sociopolitical power proportional  
improvement healthcare move socioeconomic status call socioeconomic gradient health  
development prestige refer positive regard society give person idea certain occupation  
physician broadly view high level status respect importance particular educational institution  
organization award accolade consider power describe ability affect behavior real perceive  
reward punishment base unequal distribution value resource core power define relationship  
individual group social institution power relationship function maintain order organize  
economic system conduct warfare rule exploit people result power create worldwide social  
inequality people tend fall have have- recall chapter 11 mcat behavioral sciences review

marxist theory call conflict theory propose not call proletariat overthrow have call bourgeoisie entire capitalist economy develop class consciousness class consciousness refer organization work class share goal recognition need collective political action work unit proletariat revolt control political economic system lay groundwork socialist state major barrier class consciousness false consciousness misperception actual position society member proletariat bad condition recognize commonality experience clouded assemble revolutionary marx develop country modern globalized world social inequality persist early sociologist explain social inequality accelerate call anomie refer lack widely accept social norm breakdown social bond individual

refer lack widely accept social norm breakdown social bond individual society strain theory focus anomic condition lead deviance anomic condition include excessive individualism social inequality isolation erode social solidarity sense community social cohesion sociologist focus importance social trust proper functioning civil society social trust come primary source social norm reciprocity scratch scratch social network past decade society urbanized self oriented materialistic associational tie diminish consequently lead decline social capital relationship social stratification social capital power anomic condition postindustrial modern life accelerate decline social inclusion result obstruct opportunity acquire essentially social capital investment people society return economic collective reward great investment high level social integration movement new underrepresented population large culture maintain ethnic identity main form social capital social network social network create type social inequality situational socioeconomic advantage positional base connected network centrality network inequality network create reinforce privilege inequality opportunity low social capital lead great social inequality social capital refer benefit receive group association cultural capital refer benefit receive knowledge ability community join call strong weak tie strong tie refer peer group kinship contact quantitatively small qualitatively powerful weak tie refer social connection personally superficial associate large number provide connection wide range

individual social networking website especially focus professional relationship example group  
weak tie people multiple weak tie disadvantaged group find access contribute social capital  
extremely difficult people experience poor mental health

large disadvantaged group lack strong weak tie repercussion social exclusion individual find  
social capital reach consequently group personally socially disempowered propel cycle  
exclusion social exclusion huge financial repercussion healthcare great morbidity rate  
intersection race gender age social stratification properly social inequality remain high certain  
disadvantaged group include group racially ethnically underrepresented especially hispanic  
african american people household head woman old adult think know fall underprivileged  
underserved group friend relative socioeconomic inequality remain united states describe  
chapter 11 mcat behavioral sciences review continue socioeconomic inequality partially  
intersectionality compounding disadvantage see individual belong underserved group pattern  
social mobility unlike caste base estate base system social stratification people north america  
generally ability class class system social mobility know structural mobility typically result  
economic occupational structure allow acquire high level employment opportunity give  
proper credential experience requirement united states class system encourage type ambition  
dedication hard work ethos embody phrase american dream intergenerational  
intragenerational mobility social mobility occur generation generation intragenerational  
mobility refer change social status happen person lifetime intergenerational mobility refer  
change social status parent child people consider united states land opportunity  
intragenerational intergenerational mobility easily occur argue opportunity social mobility  
diminish gap upper class middle low class continue widen guide example follow able answer  
question quickly test day question multiple choice soon answer question look answer  
eliminate match behavioral science guide example expert social class difference relate health  
mortality outcome result difference stress financial strain working condition present study  
focus incidence psychiatric disorder relation social class social mobility compare parental

social status predict mental psych disorder researcher conduct longitudinal study

target relationship participant adult bear 1949 1959 participant adult social class 1980 1990  
code occupation type compare parental social class participant birth researcher note  
participant psychiatric admission 1990 2005 result summarize figure 1 2 outcome datum 15 iv  
age class dv rate psychiatric result agree trend sure self- figure 1 incidence psychiatric  
disorder social class figure challenging sure use figure label interpret look like lm low manual  
line right corner mean person parent lm mobility +3 hn m individual 0.5 relative risk compare  
lm parent lm mean half likely develop mental health issue overall trend linear strong high  
upward mobility mean low figure 2 risk psychiatric disorder result social mobility compare  
subject socially stable social mobility scale label confidence interval base parental status order  
high low high non- manual low non manual high manual low figure label define variable  
identify letter word label adapt tiikkaja s sandin s malki n modin b sparén p hultman cm 2013  
social class social mobility risk psychiatric disorder population base longitudinal study plos  
8(11 e77975 researcher examine record individual person hm parental class hn m person b lm  
parental class ln m person c hm parental class hm predict comparative risk psychiatric  
disorder b c question ask direct application result study thing answer question deep look  
figure determine learn individual figure 1 give overall incidence mental health diagnosis class  
look like risk inversely proportional social class people low social class high risk psychiatric  
disorder use information answer question social class person hm i.e. high manual social class  
person b lm i.e. low manual person b low social class overall likely develop psychiatric disorder  
figure 2 little tough interpret start find region graph person b locate person parent hn m class  
hm class mobility 2 person b mobility 2 ln m lm look datum individual

person b mobility 2 ln m lm look datum individual 2 mobility person b 1.75 time likely  
develop psychiatric disorder member respective social class stable mobility person low overall  
risk compare person b social class person b elevated risk compare socially stable member

respective social class contrast person c share social class parent mean additional risk confer person c downward social mobility give person c social class person c experience intergenerational downward mobility

person c expect

low risk disorder person a. order risk person c low risk psychiatric disorder base result study follow person person b high risk psychiatric disorder base social status downward social mobility large factor drive american social mobility meritocratic competition merit base system social mobility meritocracy social structure intellectual talent achievement mean person advance social ladder give rise level social inequality concentration wealth united states argue motivation strong work ethic conscientious drive mastery skill long offer opportunity advancement fear meritocratic system quickly plutocracy rule upper class nonetheless merit play key role segment society merit guarantee positive social mobility upward downward mobility social mobility usually occur direction upward downward mobility refer pattern vertical mobility movement social class upward mobility positive change person social status result high position downward mobility opposite negative change person social status fall low position social mobility directly correlate education factor contribute upward mobility good example upward mobility see professional athlete professional musician entrepreneur addition education athletic music great opportunity small business offer disadvantaged individual potential ladder high social status horizontal mobility change occupation lifestyle individual keep individual social class example construction worker switch job work custodial service mechanical maintenance shift occupation typically remain low middle class poverty define low socioeconomic status lack possession financial resource poverty hand generation generation define term comparison rest population social inequality especially poverty inherit wealth reproduce pass generation idea refer social reproduction consider social reproduction cycle poverty explanation social inequality word lifestyle poverty

powerlessness isolation apathy hand generation feature society factor contribute poverty include live emphasis present orientation people plan future theory structural poverty base concept hole structure society responsible poverty action individual proponent structural poverty argue individual necessity occupy hole year year percentage society fall poverty line stay relatively constant existence understand poverty reproduce helpful examine type poverty absolute relative absolute level poverty

reproduce helpful examine type poverty absolute relative absolute level poverty socioeconomic condition people money resource maintain quality living include basic life necessity shelter food clothing water absolute poverty view apply location country culture poverty define relative people income wealth comparison large population live example survive low teaching salary live upper east manhattan consider poor relative far wealthy resident neighborhood united states official definition poverty line derive government calculation minimum income requirement family acquire minimum necessity life poverty highly related geography see figure 12.1 main problem official poverty line contextualize accord geographic location result account cost live different community example price rent apartment major urban center high cost rent rural small town conceive poverty form powerlessness sociological psychological condition hopelessness indifference distrust word poverty result inability control event shape person life lead large degree dependency figure 12.1 percentage population live poverty line county 2009 united states poverty determine government estimation minimum income requirement family acquire minimum need shelter food water clothing problem official definition fail account geographical variable impact value money different location certain area costly live social exclusion arise sense powerlessness individual poor disadvantaged feel segregated isolate society feeling create obstacle achieve self help independence self respect disadvantaged group racially ethnically underrepresented experience magnify feeling alienation powerlessness live affluent community feeling similar anomic condition tend accelerate important factor influence poverty spatial setting social life

word live play major role distribution valuable resource person live low income neighborhood mumbai access clean water electricity live posh neighborhood london west end spatial inequality focus social stratification territory population examine space help illuminate social inequality attend geography influence social process social category gender ethnicity race class distribute space differently show figure 12.2 turn group use space differently example culture consider home center family life culture entertainment culture view home merely stop point eat sleep

culture entertainment culture view home merely stop point eat sleep spend time outside home figure 12.2 white black population distribution milwaukee county wi space reinforce existing inequality amplify effect particularly poverty lead population segregation formation expansion destitute neighborhood space create social inequality word social relationship different agent capitalist laborer government citizen result spatially varied social structure build environment unequal regional development example poor neighborhood tend political social influence affluent neighborhood result undesirable building like water refinery trash smolder plant chemical manufacturer tend place low income area show figure 12.3

citizen area lack social resource fight government industry understand spatial inequality explore idea level residential environmental global figure 12.3 industrial park low socioeconomic area reside urban suburban rural environment neighborhood environment substantial effect people interact cooperate advance cultural diversity anonymity urban neighborhood offer person great range opportunity normally find rural area example urban environment people likely fall occupation social position familial tie rural environment likely occur parent farmer grandparent farmer great grandparent farmer family business hand people urban area tend career option choose easily improve ses avenue education career choice marriage rural environment choice exist universally available opportunity extend urban environment neighborhood live play major role affluent neighborhood tend homeowner

professional manager college graduate high quality school low income neighborhood tend great poverty unemployment rate low quality school high rate homelessness low income neighborhood safe high rate violent crime organize crime gang activity key attribute stratify neighborhood create unequal chance people live community overall great concentration individual poor urban center help explain suburbanization migration pattern middle class suburban community show figure 12.4 suburb attractive generally clean crowded low crime rate well school system unlike middle upper class member low class able relocate area offer well opportunity disadvantaged group remain urban center poor living condition matter bad type environment easily expose low income group illness disease suburbanization lead urban decay previously functional portion city deteriorate decrepit time interestingly process spontaneously reverse process urban renewal city land reclaim renovate public private use urban renewal fuel gentrification upper- middle class population begin purchase renovate neighborhood deteriorate area displace low ses population figure 12.4

boston doughnut income socioeconomic status urban center tend contain lower- ses community surround ring middle- upper ses suburb low ses exurb poor living condition dangerous environmental condition result increase illness disease low income underrepresented group tend reside close site environmental pollution area usually cheap housing market environmental risk hazardous waste produce plant toxic waste dump tend locate low income area high concentration group racially ethnically underrepresented surprise inadequate housing heating sanitation concert toxin exposure contribute acute medical problem illness influenza pneumonia substance use disorder tuberculosis whooping cough common people live poor- quality condition mention early low income area lack social political power prevent environmental risk encroach community poverty social inequality limit hierarchy country world system theory categorize country emphasize inequality division labor global level core nation focus high skill higher pay production exploit peripheral nation lower skille production semi peripheral nation midway nation work core nation have characteristic



peripheral nation world especially semi peripheral peripheral nation live equivalent \$ 1.25 day rate poverty especially prevalent part india sub saharan africa south central asia show figure 12.5 figure 12.5 percentage population live \$ 1.25 day 2008 largely effect globalization massive restructuring industry trade pattern major impact local community specifically production cheap good suppress rate global market reconfiguration obstruct limit access power resource production good constantly shift location location social inequality increase worldwide level local community subject ebb flow global market advent globalization development world city international communication chain global immigration interaction industrialized develop nation impact people region state lead inequality space food water energy housing education global inequality exacerbate unprecedented large population spike place strain world resource majority world limited access healthcare consequently people globe suffer malnutrition

parasitic infectious disease high rate morbidity mcat concept check 12.1 assess understanding material question 1 socioeconomic status ses determine 2 social capital affect social cohesion 3 group suffer disproportionate social inequality 4 relationship merit social mobility 5 regard health group affect 12.2 epidemiology disparity chapter 12.2 able identify cause waitzkin second sickness explain woman likely well health profile describe link class ethnicity healthcare disparity old saying intone health wealth correlation certainly hold true reverse wealthy tend well health well access healthcare low social capital high urban degradation interpersonal violence low social trust social environment poor protection disease result class gradient increase poor health condition low life expectancy show figure 12.6 consequence social stratification low income group significantly bad middle upper class come health disparity mean tend sick social epidemiology branch epidemiology study way health disease correlate social advantage disadvantage figure 12.6 life expectancy birth 2005–2010 incidence =  $\frac{\text{new case}}{\text{population risk time}}$  prevalence =  $\frac{\text{total case}}{\text{total population time}}$  note incidence relative population risk total population illness long risk

understand health statistic important define epidemiological term incidence define number new case illness population risk give time example number new case lung cancer 1000 risk people year prevalence measure number case illness overall new chronic population give time example number people new chronic lung cancer 1000 people year health statistic give term morbidity mortality morbidity burden degree illness associate give disease mortality refer death cause give disease inequity health science clearly demonstrate poor environmental social factor negatively impact health correlation demonstrate nineteenth century public health effort landmark example link geography disease john snow investigation cholera outbreak london 1854 snow track case cholera map show figure 12.7 able deduce water pump neighborhood cause spread infectious agent bacterium call vibrio cholerae figure 12.7 john snow map disease case 1854 cholera outbreak london trace geography disease snow deduce water pump responsible cholera transmission health dependent geography social economic factor time socioeconomic improvement lead great general health population good health outcome

generally see egalitarian society despite ambition modern welfare state system government protect health citizen black report 1980 show class difference health exist professional group have long life expectancy working class people howard waitzkin describe outcome second sickness exacerbation health outcome cause social injustice centers disease control prevention cdc show low income group likely poor health uninsured die young middle- upper class adult poverty combination culture inequality lead bad health outcome effect run gender age racial ethnic boundary example low income woman likely deliver baby low birth weight place baby risk numerous physical cognitive problem life similarly impoverished member racially ethnically underrepresented group low life expectancy member low class overall time likely view bad health compare affluent group low income group likely develop life shorten disease lung cancer diabetes heart disease degenerative illness group likely commit suicide

die homicide comparison wealthy adult infant mortality rate poor high population united states infant mortality rate approximate develop country correlation poverty racially ethnically underrepresented group characteristic apply particular ethnic group come health illness racially ethnically underrepresented group asian americans pacific islanders good health profile report illustrate comparison white americans group low rate death associate cancer heart disease diabetes infant mortality african americans appear bad health profile comparison white americans show high rate death link cancer heart disease diabetes drug alcohol use infant mortality hiv aids african american infant twice infant mortality rate white infant specifically african american male low life expectancy racial gender category hispanic americans

mixed profile comparison white americans low mortality rate attributable cancer heart disease infant mortality high mortality rate attributable diabetes alcohol drug use hiv aids hispanic americans high mortality rate influenza pneumonia accident american indians mixed profile regard show high rate death diabetes alcohol drug use infant mortality low mortality rate compare white americans cancer heart disease hiv aids american indians high rate death suicide comparison general population group high mortality rate link diabetes compare racial category mcats expect able relative rate illness racial group sensitivity difference group important passage relate sociology public health come gender relate health disparity statistical information show woman well health profile man trend true world female life expectancy consistently high male life expectancy record begin gap life expectancy begin narrow united states country high life expectancy female citizen male citizen show figure 12.8 low income group especially racially ethnically underrepresented overall bad health profile term morbidity figure 12.8 male female life expectancy region country note female life expectancy universally high male life expectancy base datum cia world factbook mortality rate heart disease cancer chronic low respiratory disease diabetes high man woman man time likely woman die accident suicide homicide man far likely seek medical attention woman man

especially raise hypermasculine behavior try tough doctor man seek healthcare likely comply medical instruction adhere medical advice woman well mortality rate case come morbidity rate certain acute chronic disease

woman man suffer infectious parasitic disease digestive problem respiratory condition high blood pressure hypertension arthritis diabetes inflammatory bowel disease colitis woman tend suffer illness disability man condition life threatening comparison woman man tend bad mortality rate woman high morbidity rate difference male female health profile biologically sociologically determine result factor like risk taking behavior hypermasculinity dangerous employment reason man tend low life expectancy rate sociological biological sociologically man consider big risk taker likely expose accident unintentional injury especially true young man man likely employ dangerous job police force steel industry coal mining man high rate alcohol use speeding participation potentially violent sport biologically speak man disadvantage infancy onward life man likely come disease life threaten inequity healthcare united states advanced healthcare system world quality healthcare service extend like institution quality healthcare favor high social class

people frustrate way healthcare deliver united states especially regard health insurance healthcare system united states industrialize nation organize plan central governmental passage affordable care act aca 2010 attempt united states increase coverage affordability insurance americans reduce overall cost healthcare medicare medicaid program attempt increase access healthcare united states medicare cover patient age 65 end stage renal disease amyotrophic lateral sclerosis als medicaid cover patient significant financial need disadvantaged group especially poor affect disparity healthcare term access quality individual medicare medicaid lack access physician accept public insurance program additionally doctor open practice low income neighborhood make access hard population low socioeconomic status consequently individual low class likely seek medical assistance seriously ill intervention

late medicare cover patient 65 end stage renal disease amyotrophic lateral sclerosis als  
medicaid cover patient significant primary reason low income group high mortality rate  
include poor access quality medical care poor nutrition feel control life circumstance poor  
likely smoke overweight obese likely engage physical activity addition socioeconomic status  
race ethnicity create barrier care race concordant patient physician relationship patient  
physician race different race race discordant relationship culture non native language view  
contributor pathology act obstacle diagnosis treatment despite effort systemically address  
unequal treatment underrepresented population physician inequality disparity treatment  
relative race ethnicity wide range medical specialty word underrepresented low income group  
tend face great barrier care poor quality care receive specific demonstrate african americans  
asian americans american indians hispanic americans receive bad care white americans  
quality preventative care acute treatment chronic disease management differ regionally state  
new england mid- atlantic show quartile

healthcare quality state south quartile outside race ethnicity identifiable characteristic large  
impact patient treat provider common bias discrimination overweight obese patient bias apply  
individual overweight regardless socioeconomic status gender age racial ethnic background  
high prevalence obesity low income group doctor assume overweight obese cause patient  
health problem lead misdiagnose ineffective treatment turn damage trust necessary form  
strong doctor patient relationship result patient overweight obese likely patient switch doctor  
repeatedly consistent primary care doctor continuity care nearly nonexistent additionally  
patient overweight obese likely quality preventative care screening include screening breast  
colon cancer term gender woman tend favor healthcare system woman tend fare well come  
access healthcare largely woman likely insure woman tend utilize healthcare service man  
examination blood pressure check lab test drug prescription physician visit year woman  
receive service visit man healthcare use likely common woman high morbidity rate woman  
illness facilitate need seek medical attention hand woman likely delay unable obtain necessary

medical care dental care prescription medicine lgbtq individual discrimination decrease access healthcare common homophobia prejudice mcat concept check 12.2 assess understanding material question 1 waitzkin second sickness 2 relationship class ethnicity 3 woman likely well health profile 4 factor contribute healthcare disparity class learn live perfect world valuable material resource unlimited evenly distribute united states worldwide level social stratification unfortunate reality class base economic system status power inextricably link facilitate hinder access social capital associate reward especially case certain disadvantaged group base category class race gender age perfect class system tend allow upward social mobility lifetime generation heart america socioeconomic value principle meritocracy mean hard work credential dedication society people united states remain impoverished social inequality social exclusion increasingly difficult low income group improve socioeconomic condition hold social inequality poverty remain inequality pass generation truth social reproduction poverty situational context play role spatial inequality live world impact

poverty situational context play role spatial inequality live world impact position life especially term access key resource prosperous opportunity spatial inequality remain residential environmental global level social inequality influence health healthcare disparity case facet life wealth matter great income typically access well quality healthcare especially case u.s. healthcare system uneven level coverage high healthcare cost socioeconomic status class greatly impact ability navigate system procure healthcare united states

low income racially ethnically underrepresented group tend bad have poor health poor access healthcare woman despite prone chronic degenerative disease tend fare well man come overall health access utilize healthcare resource u.s. healthcare system undergo significant reorientation take preventative approach important place great emphasis sociological issue understand relationship social stratification health healthcare disparity illness disease product social psychological physiological issue chapter chapter mcat behavioral sciences review cover

psychology sociology content require mcat fitting chapter finish discussion leave charge  
prepare mcat medical school life physician deserve think change need u.s. healthcare system  
serve local national international community improve health status contribute future access  
quality healthcare review content test knowledge critical thinking skill complete test like  
passage set online resource social stratification base socioeconomic status ses socioeconomic  
status depend ascribe status achieve status ascribe status involuntary derive clearly  
identifiable characteristic age gender skin color achieve status acquire direct individual effort  
social class category people share socioeconomic characteristic main social class upper middle  
low class group similar lifestyle job opportunity attitude behavior prestige respect importance  
tie specific occupation power capacity influence people real perceive reward punishment  
depend unequal distribution value resource power differential create social inequality anomie  
state normlessness anomic condition erode social solidarity mean excessive individualism  
social inequality social capital investment people society return economic collective reward  
social network situational positional powerful form social capital achieve establish strong  
weak social tie meritocracy refer society advancement social ladder base intellectual talent  
achievement social mobility allow acquire high level employment opportunity achieve require  
credential experience social mobility occur positive upward direction negative downward  
direction depend promote demote status poverty socioeconomic condition united states  
poverty line determine government calculation minimum income requirement family acquire  
minimum necessity social reproduction refer passing social inequality especially poverty  
generation poverty absolute relative absolute poverty people resource acquire basic life

poverty absolute relative absolute poverty people resource acquire basic life necessity shelter  
food clothing water relative poverty poor comparison large social exclusion sense  
powerlessness individual feel alienated society spatial inequality form social stratification  
territory population occur residential environmental urban area tend diverse economic  
opportunity ability social mobility rural area urban area tend neighborhood low income

racially ethnically underrepresented rural area formation high income suburb common occurrence limited mobility low income group urban environmental injustice refer uneven distribution environmental hazard community low income neighborhood lack social political power prevent placement environmental hazard neighborhood globalization lead inequality space food water energy housing education production good shift cheap cheap labor market lead significant economic hardship industrialize nation epidemiology disparities incidence calculate number new case disease population risk give period time example new case 1000 risk people year prevalence calculate number case disease population give period time example case 1000 people morbidity burden degree illness associate give mortality refer death cause give disease health dependent geographic social economic factor second sickness refer exacerbation health outcome cause social injustice poverty associate bad health outcome include decrease life expectancy high rate life shorten disease high rate suicide homicide high infant mortality certain racially ethnically underrepresented group bad health profile african americans bad health profile white americans american indians hispanic americans health profile middle asian americans pacific islanders good health profile female well health profile male include high life expectancy low rate life threaten illness high rate access utilize health resource female high rate chronic disease high morbidity rate effort improve healthcare underserved population include affordable care act aca medicare medicaid healthcare access quality differ population low income group racially ethnically underrepresented group specifically african americans asian americans american indians hispanic americans receive bad care high- income group white americans respectively bias overweight obese patient associate lower-

group white americans respectively bias overweight obese patient associate lower- quality treatment include preventative care

few woman tend well access healthcare utilize healthcare resource man lgbtq individual



barrier care prejudice discrimination homophobia transphobia answer concept check 1 ses  
determine factor ascribe accord physical external characteristic age gender skin color acquire  
direct effort hard work 2 social capital person reduce network equality equality opportunity  
social inequality turn decrease social cohesion 3 social inequality high racially ethnically  
underrepresented group especially african americans hispanic americans household head  
woman old adult prevalent live poverty 4 social mobility dependent intellectual talent  
achievement meritocratic competition obstruct concentrated power discrimination base  
ethnicity gender age identifiable 5 environmental hazard tend locate low income area high  
population racially ethnically underrepresented group poor living condition result increase  
illness disease group people 1 second sickness refer fact health outcome exacerbate social  
inequality social injustice result high income group long life expectancy 2 low income racially  
ethnically underrepresented group high morbidity rate overall bad health compare middle  
upper class low class high infant mortality rate homicide rate suicide rate comparison wealthy  
class 3 woman typically long life expectancy overall well health profile comparison man  
attribute biological sociological cause woman likely life threaten condition high morbidity rate  
woman likely seek care utilize healthcare service man 4 low income group access healthcare  
service experience low quality healthcare poor americans likely insure consequently likely seek  
medical attention condition extremely limit available intervention result morbidity mortality  
rate high low income science mastery assessment social stratification base direct effort merit  
form achieve socio economic status ascribed socioeconomic status base identifiable external  
characteristic achieve status meritocratic competition b individual effort associate achieve  
status anomic condition c cause breakdown individual society erode social solidarity low social  
class lead low social capital member low class small number weak tie social network  
opportunity invest society reap benefit globalization typically lead global equality globalization  
tend create global

benefit globalization typically lead global equality globalization tend create global inequality

regard environmental justice high number hazardous waste facility tend find low income neighborhood poor living condition tend associate great health problem include tuberculosis b finally environmental pollution prevalent area large population underrepresented group especially low income c group high income tend increase life expectancy rate decrease people low income high mortality rate high income low income woman tend child low birth weight c finally rate disease include lung cancer increase low income group d prevalence define total number case divide possibly affect population period time period time define point end year end year 30 total case population 1000 individual 500 individual develop prostate cancer mean prevalence  $30 \div 500$  incidence define total number new case divide risk population period time period time year 10 new case year risk population male prostate cancer 20 male diagnose 500 female include risk population incidence population  $10 \div 480$  scenario child remain socioeconomic class parent indicate lack social mobility b example social reproduction social inequality especially poverty pass generation relative poverty comparative term describe poor surround population member upper class live relative poverty compare neighborhood neighbor relative poverty directly associate upward downward social mobility eliminate b d individual live relative poverty exhibit mobility direction social mobility suburb tend large upper- middle class population urban center urban center tend large low socioeconomic status population suburb increase mobility see upper- middle class population permit migration morbidity refer burden illness severity degree illness mortality b refer death cause give illness second sickness c term describe exacerbation health outcome social injustice chronicity d refer duration disease severity significance patient comparison

white americans asian americans tend well overall health profile african americans tend bad overall health profile hispanic americans american indians c d mixed health profile comparison white americans

well category bad hispanic americans american indians well overall health profile white

americans medicare cover patient age 65 old age group end stage renal disease amyotrophic lateral sclerosis als medicaid cover patient certain socioeconomic level morbidity refer burden severity disease factor list true regard low socioeconomic status population high homicide rate cause increase mortality morbidity threshold hypertension high blood pressure lower individual fit criterion disease number individual disease increase population stay overall increase prevalence disease comparison female male visit primary care doctor frequently trend list document consult online resource additional practice behavioral science chapter 5 motivation emotion stress behavioral sciences chapter 6 identity personality behavioral sciences chapter 7 behavioral science chapter 8 social process attitude behavior behavioral sciences chapter 10 behavioral sciences chapter 11 social structure demographic poverty people resource acquire basic life necessity shelter food clothing water minimum stimulus energy need activate process existing schema modify encompass new information neurotransmitter associate voluntary muscle control status gain result direct individual action classical conditioning process take advantage reflexive response turn neutral stimulus condition stimulus tendency situational attribution self dispositional attribution similar behavior perception decrease stimulus perception long duration exposure learning process new information process consist assimilation accommodation extent trait benefit species influence evolutionary fitness specie agent socialization experience display emotion describe scale positive negative affect have separate scale sensory neuron transmit information brain body response sensory input prejudice discrimination basis person age society important learn social norm value behavior intention cause harm increase relative social dominance physical verbal loss ability recognize object people sound typically inability think consequence possible outcome action alcohol intoxication state consciousness aware able think able respond environment nearly synonymous arousal formula procedure solve certain type problem impression management strategy make questionable behavior acceptable excuse impression management strategy impose identity person form help behavior people intent benefit cost

impose identity person form help behavior people intent benefit cost degenerative brain disorder characterize dementia memory loss neurofibrillary tangle  $\beta$  amyloid plaque phenomenon find brain alzheimer patient central nervous system stimulant increase activity dopamine norepinephrine brain portion limbic system important memory emotion especially fear state normlessness anomic condition erode social solidarity mean excessive individualism social inequality isolation form memory loss new long term memory establish disorder involve worry unease fear apprehension future uncertainty base real imagine event impair physical psychological health deficit language production comprehension similar theory basic model accept biologically predetermine expression emotion experience accept cognitive antecedent emotional expression jungian psychoanalysis thought image emotional element collective unconsciousness bundle axon connect wernicke area language comprehension broca area motor function speech psychological physiological state awake reactive stimulus nearly synonymous alertness theory motivation state particular level arousal require order perform action optimally summarize status give birth race ethnicity psychology process new information interpret term exist schema sociology process autonomic nervous system behavior culture group individual begin merge group process connection stimulus stimulus response example include classical conditioning operant conditioning emotional bond person particularly parent caregiver main attachment style secure avoidant ambivalent tendency expression positive negative feeling evaluation person place thing situation phenomenon observe individual judgment complex instead substitute simple solution theory focus tendency individual infer cause people behavior region temporal lobe devote sound processing enter brain sound process region include mgn auditory cortex superior olive inferior actually include positive negative brain process closely resemble autopilot enable performance multiple activity time involuntary branch peripheral nervous system control involuntary function heart rate bronchial dilation temperature digestion ethical tenet

physician responsibility respect patient choice healthcare shortcut decision making rely  
information readily available total body information subject form negative reinforcement  
avoid unpleasantness happen precursor language know spontaneously occur child  
dramaturgical approach setting player free role requirement audience stage behavior deem  
appropriate acceptable keep invisible audience drug act central nervous system depressant  
anxiety insomnia antiseizure medication portion forebrain coordinate muscle movement  
route information cortex brain spinal cord prototypical stereotypical factor ignore actual  
numerical information make decision establish charles darwin theory state emotional  
expression involve number system facial expression behavioral physical response claim  
emotion universal similar culture b. f. skinner theory behavior condition behaviorism apply  
body psychological thought include theory development identity personality acceptance  
statement true exist inability reject particular belief despite clear evidence ethical tenet  
physician responsibility act patient good interest central nervous system depressant reduce  
anxiety promote sleep approach psychological disorder consider pathophysiological cause  
offer pharmaceutical medical solution symptom alleviation approach psychological disorder  
consider condition treatment dependent biological psychological social cause treatment  
approach include direct indirect therapy class mood disorder characterize depression number  
birth population period time usually number birth 1000 people year sexual orientation  
individual attract member multiple sex object recognition parallel processing feature  
detection response sensory stimulus primitive portion brain include midbrain hindbrain  
control autonomic nervous system communication spinal cord cranial nerve brain loss motor  
function speech result intact understanding inability correctly produce speak language central  
nervous system cns cerebrospinal fluid csf brain region locate inferior frontal gyrus frontal  
lobe usually left hemisphere largely responsible motor function formal organization goal  
perform complex task efficiently possible divide work number bureau observation group  
individual likely respond person need bard theory theory emotion state stimulus receive  
simultaneously process physiologically cognitively allow conscious emotion experience loss

muscle control intrusion rem sleep wake hour usually cause emotional trigger disorganized motor behavior characterize unusual

hour usually cause emotional trigger disorganized motor behavior characterize unusual physical movement stillness portion nervous system compose brain spinal cord portion hindbrain maintain posture balance coordinate body movement outermost layer cerebrum responsible complex perceptual behavioral cognitive process aqueous solution brain spinal cord rest produce cell line ventricle brain portion brain contain cerebral cortex limbic system basal ganglion social structure institution society organize sensory neuron respond chemical stimulus cognitive reassociation model term analogous group polarization describe behavior change group individual alignment physiological process 24 hour day include sleep wake cycle element endocrine repetitive action achieve desire response see piaget sensorimotor stage marxist theory organization work class share goal recognition need collective political action form associative learning neutral stimulus associate unconditioned stimulus neutral stimulus produce response unconditioned stimulus neutral stimulus condition stimulus drug decrease reuptake dopamine norepinephrine serotonin effect similar amphetamine process acquire knowledge understanding thought experience sense think respond subjective evaluation situation induce stress consist initial primary appraisal potential secondary appraisal threat reveal primary appraisal development ability think solve problem life span simultaneous presence oppose thought model aggression state likely respond aggressively experience negative emotion jungian psychoanalysis unconscious mind share human result common ancestry structure midbrain involve sensorimotor reflex superior colliculus receive visual sensory input inferior colliculus receive auditory sensory input change behavior individual request twin study presence trait twin classical conditioning paradigm reflexive response cause condition stimulus classical conditioning paradigm initially neutral stimulus pair unconditioned stimulus train behavioral response render previously neutral stimulus speech disorder characterize inability repeat word intact spontaneous speech production

comprehension usually injury arcuate fasciculus cognitive bias focus information support give solution belief hypothesis ignore evidence theoretical framework emphasize role power differential produce social order changing belief behavior order fit group awareness oneself describe vary level awareness occur wakefulness sleep dreaming drug induce controlled conscious processing correspondent

occur wakefulness sleep dreaming drug induce controlled conscious processing correspondent inference theory concept see quantitative analysis perform child develop child able identify difference quantity number actual especially face identical quantity separate sensory perception perceive certain characteristic object remain despite difference environment retrieval cue memory aid person location encoding take place opposite body relative usually brain processing method task require complete attention theory state people pay close attention intentional behavior accidental behavior make attribution especially behavior unexpected map relate region brain anatomical region body time development exposure language essential eventual development effective use language occur year age puberty cognitive capacity understand relationship solve problem information acquire schooling understand behavior indicator underlie cause behavior include consistency cue consensus cue benefit receive knowledge ability spread norm culture belief theory social group culture study term understand recognize respect difference share set belief attitude norm value behavior organize central theme find people speak language share geographic region mean society socialize member belief behavior action characteristic group society people cultural difference see dramatic travel outside society form cognition start general information narrow information create conclusion freudian psychoanalysis technique ego deny falsify distort reality order resolve anxiety cause undesirable urge d superego idea people lose sense selfawareness act dramatically differently base influence group rapid fluctuation cognitive function reversible fixed false belief discordant reality share culture maintain spite strong evidence diagnostic statistical manual mental disorders dsm differential

association theory intellectual decline start impaired memory progress impaired judgment  
confusion change makeup population time transition high birth mortality rate low birth  
mortality rate see country develop preindustrial industrialized economic system statistical arm  
sociology attempt characterize explain population quantitative analysis substance reduce  
nervous system function sadness meet certain condition severity duration diagnosis mental  
health issue warrant depressive disorder include major depression dysthymic disorder  
seasonal affective disorder period week prominent persistent depressed

dysthymic disorder seasonal affective disorder period week prominent persistent depressed  
mood lack interest depressive symptom violation norm rule expectation society guide  
psychological disorder characterize describe diagnose currently fifth edition dsm-5 publish  
2013 portion prosencephalon thalamus hypothalamus posterior pituitary gland pineal gland  
theory deviance learn interaction engage deviant behavior provide interaction outnumber  
interaction conform social norm number and/or importance dispositional internal attribution  
idea state evidence obtain testing confirm hypothesis hypothesis discard revise classical  
conditioning process similar distinct condition stimulus produce different response sociology  
individual particular group treat differently base group behavioral conditioning stimulus  
presence indicate opportunity reward sudden increase response stimulus usually change  
stimulus addition stimulus call defense mechanism undesired urge transfer target acceptable  
cultural expectation emotion express attribution relate decision personality person behavior  
consider disorder involve perceive separation identity environment outside world serve source  
stimulus reach sensory neuron network loose compose weak tie stress response unpleasant  
stressor ability attend multiple stimulus simultaneously perform multiple task time fraternal  
twin share approximately 50 gene sibling drive reduction theory duplicity theory vision brain  
provide analytic language logic math skill individual left hemisphere neurotransmitter  
associate smooth movement steady posture reward pathway psychosis impression  
management theory represent world stage individual actor perform audience phenomenon



occur rem sleep theory propose explain phenomenon include activationsyn thesis theory  
problem solve dream theory cognitive process dream theory theory explain motivation base  
goal eliminate uncomfortable internal state deficiency activate particular behavior focus goal  
subdivide primary body sustain secondary biologically necessary drive cognitive theory state  
visual verbal association encode retrieve information theory hold retina contain type  
specialized photoreceptor rod specialize light dark perception cone specialize color perception  
sleep disorder difficulty fall asleep stay asleep avoid sleep common mdma 3,4 methylenedioxy  
n- methylamphetamine central nervous system stimulant effect similar amphetamine  
hallucinogen motor neuron transmit information central nervous system periphery  
elaboration likelihood model

neuron transmit information central nervous system periphery elaboration likelihood model  
freudian psychoanalysis unconscious mind mediate urge d superego operate reality principle  
self centered view world necessarily able understand experience person see piaget theory  
attitude form change different route information processing base degree deep thought give  
persuasive information possible processing route model central route processing deep  
thinking elaborative peripheral route processing nonelaborative association information  
shortterm memory information store long term memory aid long term storage test study  
electrical pattern brain vary condition consist multiple electrode place scalp characteristic eeg  
pattern include beta alpha theta delta wave pattern associate rem sleep feeling state mind  
derive circumstance mood listen affirm empathize feeling social support ability vicariously  
experience emotion theory individual help feel empathy person process receive information  
prepare storage automatic effortful natural painkiller produce brain neurotransmitter  
associate fight flight response error growth evolutionary stable strategy misuse grammar  
characterize universal application rule regardless exception see child language form negative  
reinforcement reduce unpleasantness exist affirm quality skill person social locations high  
concentration specific ethnicity slow assimilation social construct sort people cultural factor

include language nationality religion factor practice make judgment culture base value belief culture stress response positive condition strategy adopt use natural selective pressure prevent alternate strategy arise social structure extension rational choice theory focus interaction group exchange theory hold behavior engage base expectancy future reward and/or punishment motivation need reach goal result expectation success reach goal degree reach goal value memory require conscious recall divide fact semantic memory experience episodic memory know classical conditioning decrease response result repeat presentation condition stimulus presence unconditioned stimulus basal ganglia modulate motor activity trait theory degree individual able tolerate social interaction stimulation motivation external outside self include reward punishment marxist theory misperception actual position society group determine birth adoption marriage self selection peer group average number child

birth adoption marriage self selection peer group average number child bear woman lifetime population call runaway selection positive feedback mechanism trait impact negative impact survival exaggerated time especially trait deem sexually desirable freudian psychoanalysis result overindulgence frustration psychosexual stage cause neurotic pattern personality base stage behavior characterize show virtually sign emotion affective expression ability quickly identify relationship connection use relationship connection correct act search exploit food resource portion brain associate complex perceptual cognitive behavioral process emotion memory functional attitude theory fundamental attribution error  $\alpha$  aminobutyric acid gaba gemeinschaft und gesellschaft long projection hippocampus connect nucleus limbic system dramaturgical approach setting player audience perform role keeping image hope project portion cerebral cortex include prefrontal cortex motor cortex control motor processing executive function integration cognitive behavioral process theory attitude serve function knowledge ego expression adaptation ego defense inability identify use object theoretical framework explain part society fit create cohesive manifest intend help system latent unintended positive function general bias make dispositional attribution situational attribution

analyze model explain social interaction decision making game include strategy incentive punishment neurotransmitter associate stabilize quell brain activity collection neuron cell body find outside central nervous theory distinguish major type group community gemeinschaften share belief ancestry geography society gesellschaften work common goal general adaptation syndrome set behavioral cultural psychological trait typically associate biological sex intentional unintentional empowerment gender detriment separation individual base perceive gender sequence physiological response develop selye response stress initiate alarm follow resistance finally exhaustion classical conditioning process distinct similar stimulus come produce response genetic makeup individual process renewal

low income area upper class population ultimately displace low income resident govern law prägnanz way brain infer miss part picture picture incomplete area specific religious racial ethnic minority concentrate usually social economic inequality process integrate global economy free trade tapping foreign labor market excitatory neurotransmitter central nervous system inhibitory neurotransmitter central nervous system social entity involve people usually share compliance group goal group goal direct contrast individual goal hierarchy salience tendency decision extreme individual inclination group member tendency group decision base idea solution arise group consider outside idea ethic base pressure conform remain loyal group ridge cerebral cortex decrease response cause repeat exposure perception external stimulus compelling sense reality group drug cause distortion reality user include lysergic acid diethylamide lsd psilocybin contain cognitive bias judgment individual character affect overall impression individual sexual orientation individual attract member opposite sex rule thumb shortcut decision education transmission student social norm attitude belief theory identity organization posit let situation dictate identity hold importance give portion brain control balance motor coordination breathing digestion general arousal process portion limbic system important memory identity shift effect sexual orientation individual attract member sex set theory hold personality result conscious feeling attempt attain need goal theory kelly

maslow lewin fall hallucination occur go sleep see narcolepsy hallucination occur awaken sleep see narcolepsy altered state consciousness person appear awake fact highly suggestible state person event trigger action person portion forebrain control homeostatic endocrine function control release pituitary hormone freudian psychoanalysis unconscious result basic instinctual urge sexuality survival operate pleasure principle seek instant gratification person optimally like piece individual self concept base group person belong relationship individual state harmony disrupt threat social rejection individual conform norm group follow correspond identity shift reduce cognitive network dense strong tie generally overlap distant network implicit personality theory information processing model memory require conscious recall

implicit personality theory information processing model memory require conscious recall consist skill theory state people tend associate trait behavior people tendency attribute belief opinion idea behavior intend influence perception people person object event reward intend motivate particular behavior theory behavior motivate desire pursue reward avoid punishment number new case disease population risk give period time usually new case 1000 risk people year measure reproductive success depend number offspring individual support offspring offspring support person discriminate particular person group form cognition utilize generalization develop theory region midbrain receive integrate sensory input auditory system involve reflexive reaction auditory input model human cognition contain key component information intake information analysis situational modification content complexity problem support give provide information help interaction process analysis impression management strategy use flattery increase social acceptance social group person experience sense belonging identify member behavior genetically program instinctive sleep disorder characterize inability fall asleep difficulty stay asleep innate behavioral response stimulus motivation theory people drive engage behavior base evolutionarily preprogramme instinct tendency animal resist learn condition behavior conflict animal instinctive behavior

discrimination particular person group entire institution numerical measurement intelligence usually accomplish form standardized testing technique observe immediately classify activity small group retrieval error cause learning information proactive old information cause difficulty learn new information retroactive new information interfere old learning change behavior fit group privately agree idea group neuron find sensory motor neuron involve reflex arc force make people like iron law oligarchy noticeable difference jnd language acquisition device lad interconnected nature social categorization apply give individual group especially lead discrimination oppression motivation internal come perception situation support available evidence nonetheless perceive information decision body relative usually brain democratic bureaucratic system naturally shift rule elite group lange theory theory emotion state stimulus result physiological arousal lead secondary response emotion consciously experience medical ethic tenet physician responsibility treat

response emotion consciously experience medical ethic tenet physician responsibility treat similar patient similar care distribute healthcare resource minimum difference magnitude stimulus perceive difference call difference cognitive bias good thing happen good people bad thing happen bad people theory label give people affect respond person person self image speak write symbol verbal nonverbal symbol regulate accord certain rule conduct social norm learning behaviorist theory life course approach health linguistic relativity hypothesis locus control innate capacity language acquisition trigger exposure language nativist biological perspective language learning occur reward spontaneously demonstrate reward introduce state hopelessness resignation result unable avoid repeat negative stimulus model psychology way new behavior acquire theory attitude develop form learning direct contact direct interaction direct instruction freudian psychoanalysis sex life drive analysis health probable outcome include consideration patient entire history portion cerebrum associate emotion memory include amygdala hippocampus hypothesis suggest perception reality largely determine content form structure language know whorfian hypothesis

characterization source influence event life internal external relatively limitless form memory reserve information sufficiently rehearsed sufficient impact implicit explicit form long term memory strengthening neural connection rehearsal relearning think neurophysiological basis long- maslow heirarchy need social psychological construct state self develop interpersonal reaction specifically person understanding perception vision processing cell high temporal resolution detect motion repetition piece information working memory store theory demographic transition focus population growth outpace food supply growth lead social degradation disorder impression management strategy use prop appearance emotional expression association create positive image period week prominent persistent elevated expansive mood manic symptom abraham maslow theory certain need yield great influence motivation maslow hierarchy consist 5 level need share intense concern threat society status person identify measure choosy member species choose mate base direct indirect benefit mate selection intersexual selection mate base attraction physical item associate give cultural mere exposure effect mesolimbic reward pathway provide economic

give cultural mere exposure effect mesolimbic reward pathway provide economic physical resource aid person social support way group organize sexual behavior shift focus efficiency predictability calculability control society state consciousness enter voluntarily characterize decrease level physiological arousal quieting mind portion brainstem regulate vital function include breathing heart rate blood pressure serotonin derivative secrete pineal gland associate sleepiness thick layer connective tissue cover protect brain compose dura mater arachnoid mater pia mater tendency repeat solution yield positive result time past explanation attraction call familiarity effect hold people prefer stimulus expose society advancement social ladder base intellectual talent achievement embryonic portion brain dopaminergic pathway brain include nucleus accumbens ventral tegmental area medial forebrain bundle pathway normally involve motivation emotional response involve drug addiction embryonic portion brain pon portion brainstem manage sensorimotor reflex visual auditory stimulus give rise

cranial nerve movement people population include immigration emigration neuron locate frontal parietal lobe fire individual perform action individual see action perform phenomenon memory alter misleading information provide point encoding recall technique aid memory recall exclusive mating relationship identical twin share genetic material mental health diagnosis category contain disorder primarily characterize disturbance mood include depressive disorder substance induce bipolar disorder kohlberg theory personality development focus development moral thinking preconventional conventional postconventional stage burden degree illness associate give disease structure word include building block prefix suffix number death population unit time process psychological physical requirement goal desire cause behavior nativist theory language neurocognitive model dreaming neuron transmit motor information spinal cord brain periphery encouragement multiple culture society enhance diversity refer cultural diversity idea intelligence exist multiple area area typically assess traditional intelligence quotient embryonic portion brain sleep disorder characterize lack voluntary control onset sleep involve cataplexy hypnagogic hypnopompic theory credit noam chomsky posit existence innate capacity language refer language physiological psychological requirement motivate mental illness symptom characterize

refer language physiological psychological requirement motivate mental illness symptom characterize absence normal desire behavior coin new word see schizophrenia term describe observable pattern social relationship individual unit analysis overlap contact point social network provide sense belonging social support model dreaming correlate subjective cognitive experience dreaming measurable physiological non rapid eye movement nrem sleep class drug treat schizophrenia block dopamine receptor peptide act signal molecule central nervous system slow act long last change neural connection cause learning response injury study function behavior associate specific region brain freudian theory disorder occur response anxiety fixation childhood impact personality trait theory degree individual prone

emotional arousal stressful situation chemical transmit signal neuron target cell synapse stage development ectoderm furrow notochord form neural crest neural tube experience intense anxiety sleep cause sleeper scream terror recall event morning occur slow wave sleep brain associate sensitivity emotional tone language intuition creativity music spatial processing individual right hemisphere ethical tenet physician responsibility avoid intervention potential harm outweigh potential stage 1 4 sleep contain slow brain wave get deeply sleep people communicate intentionally unintentionally word example include body language gesture facial expression neurotransmitter associate wakefulness societal rule define boundary acceptable behavior changing behavior individual base command see authority figure knowledge object cease exist object see milestone cognitive development form learning behavior modify result watch category include related disorder describe set disorder people feel need check thing repeatedly certain thought repeatedly ability control thought activity portion cerebral cortex control visual form associative learning frequency behavior modify reinforcement punishment drug family consist naturally occur highly addictive pain reduce drug medical recreational setting opioid synthetic version drug theory state body adapt counteract repeat exposure stimulus see afterimage parasympathetic nervous system ramp sympathetic nervous system response depressant specific type group characterize trait formality hierarchy rank position large size complex division labor continuity member

hierarchy rank position large size complex division labor continuity member representation way think social group individual identify tendency interpret decision knowledge belief play style child play alongside interfere behavior ability simultaneously analyze combine information multiple aspect stimulus color shape sleep disorder characterize abnormal movement behavior sleep branch autonomic nervous system promote rest digest associate relaxed state reduction heart respiration rate promotion digestion portion cerebral cortex control somatosensory spatial processing disease characterize slowness movement rest



tremor pill roll tremor masklike facie cogwheel rigidity shuffle gait cause destruction  
dopaminergic neuron substantia nigra visual processing cell high spatial resolution detect  
shape group self select equal form common interest idea preference belief peripheral nervous  
system pns social influence place individual individual consider equal processing incoming  
information comprehend respond current incoming stimulus portion nervous system  
compose nerve tissue fiber outside central nervous system set thought feeling trait behavior  
characteristic individual time different location disorder involve pattern behavior inflexible  
maladaptive cause distress impaired function follow cognition emotion interpersonal  
functioning express trait individual base genotype individual speech sound associate language  
set sound compose language piaget theory cognitive development divide life span  
sensorimotor preoperational concrete operational formal brain structure locate near  
thalamus secrete master gland endocrine system trigger hormone release endocrine gland  
theory sound conduction ear hold vibration particular area basilar membrane determine  
perception pitch refer tonotopical organization mating system individual exclusive  
relationship male mating system individual multiple exclusive mating system individual  
exclusive relationship female portion brainstem relay information cortex medulla regulate  
sleep carry motor sensory information face neck behavior thought feeling add normal  
behavior socioeconomic condition low resource availability united states poverty line  
determine government calculation minimum income requirement family acquire minimum  
necessity life capacity influence people real threatened use reward punishment base unequal  
distribution value way use language alter depend irrational positive negative attitude person  
group

use language alter depend irrational positive negative attitude person group thing form prior  
actual experience sociology positive regard society give person idea number case disease  
population give period time usually case 1000 people year phenomenon impression person  
important subsequent impression group interaction direct close bond provide relationship

member warm personal primary stress appraisal initial evaluation environment determine  
associate threat retrieval cue recall aid word phrase semantically related desire memory reflex  
present infant disappear age phase poor adjustment precede onset defense mechanism  
individual attribute undesired feeling portion cerebral cortex analyze sensory input mating  
system individual mate ability tell body space embryonic portion brain rhythm cadence  
inflection speech remember perform task point stimulus directly interact affect sensory aspect  
interpersonal attraction base physically close personality theory set theory base assumption  
unconscious internal state motivate overt action racial formation theory rapid eye movement  
rem sleep rational choice theory determine personality theory psychologist include freud jung  
fall category set thought feeling action consider deviant culture hand cause noticeable  
distress sufferer study relationship physical nature stimulus sensation perception evoke  
erikson theory personality development base concept personality develop base series crisis  
derive conflict need social demand trait theory measure nonconformity social deviance  
individual operant conditioning use aversive stimulus design decrease frequency undesired  
behavior social construct base phenotypic difference group people real perceive difference  
theory racial identity fluid dependent political economic social factor definition establishment  
group particular race sleep stage eye rapidly forth physiological arousal level similar  
wakefulness sleep dreaming occur stage social structure theory individual consider benefit  
harm give social interaction choose good possible action defense mechanism individual  
explain undesirable behavior way self justifying socially acceptable recognition prime decision  
model regional cerebral blood flow rcbf defense mechanism individual suppress urge  
unconsciously convert exact opposite process ongoing monitoring continue source stress deal  
normal 2 step appraisal method phenomenon

continue source stress deal normal 2 step appraisal method phenomenon recent information  
individual important form impression social cognitive perspective notion thought feeling  
behavior environment interact determine behavior give situation phenomenon people like

well believe person like aspect interpersonal attraction base idea like people think like decision making model experience recognition similar situation experience play large role decision making action explanation experience intuition group individual compare behavior occur response give stimulus high cognitive input neural pathway control reflex action technique record pattern neural activity base blood flow different area brain measure detection inhale radioactive marker defense mechanism individual deal stress revert early developmental state reliance central trait operant conditioning use stimulus design increase frequency desire behavior schedule reinforcement administer behavior operant conditioning reinforcement schedule fix variable base ratio interval reward poverty comparison large surround population tendency organize perception base trait personal characteristic target matter phenomenon spend increased time rem sleep follow period sleep deprivation shortcut decision making rely categorize item basis fit prototypical stereotypical representative image category defense mechanism ego force undesired thought urge unconscious mind tendency subject respond systematically stimulus particular way nonsensory factor structure brainstem responsible process demonstrate information retain memory include recall recognition relearning form memory loss impact long term memory event prior time injury embryonic portion brain formalized ceremony usually involve specific material object symbolism additional mandate acceptable behavior set belief value attitude norm define expectation behavior associate give status difficulty satisfy role requirement expectation role internalize label assume role imply label lead assume role take person identity person interact play particular role role partner provide different set behavioral expectation carry behavior associate give role group role partner relative give status difficulty satisfy multiple requirement role roleplaying child come understand perspective way perspective differ societally enforce punishment reward behavior formal sanction enforce social institution law informal sanction

reward behavior formal sanction enforce social institution law informal sanction enforce social behavior ostracization etc singer theory theory emotion state physiological arousal cognitive

appraisal occur emotion consciously experience organized pattern thought behavior central concept piaget stage cognitive development psychotic disorder characterize gross distortion reality disturbance content form thought perception secondary stress appraisal concept propose howard waitzkin

poor health outcome exacerbate social injustice group interaction base weak interpretation primary stress appraisal determine emotional response give threat ability focus single stimulus stimulus occur simultaneously sum thought feeling oneself include self schema appraisal past future self needbase motivational theory emphasize importance autonomy competence relatedness aspect interpersonal attraction impression management share fear thought goal person hope meet empathy nonjudgment theory self actual self ideal self ought self degree individual capable give skill particular situation self serve bias need maintain self worth internal attribution success external attribution failure individual feeling self worth phenomenon stereotype create expectation particular group create condition lead confirmation stereotype impression management strategy people create obstacle avoid self blame meet expectation serial position effect process display oneself society culturally accept action behavior tendency individual well recall information relate experience self give label carry set quality idea individual view success base internal factor view failure base organization information brain link concept similar characteristic meaning association meaning word transduction physical stimulus neurologic signal time environmental input maximal impact development particular ability visual iconic auditory echoic stimulus briefly store memory fade quickly attention pay information neuron transmit information sensory receptor central nervous system limbic system pleasure center tendency well remember item present beginning end list relate primacy recency effect neurotransmitter associate mood sleep eating direction sexual interest signal detection theory situational external attribution experimental technique participant recite speech immediately hear operant conditioning process condition complicated behavior reward successive approximation behavior memory

fade quickly 30 second rehearsal limit capacity  $7 \pm 2$  rule theory person ill enter role sanctioned deviance responsible illness exempt social norm theory perception internal psychological external environmental context play role perception stimulus aspect interpersonal attraction base alike attitude intelligence education height age religion appearance attribution relate feature surrounding threat money social norm peer pressure feature individual sleep disorder

threat money social norm peer pressure feature individual sleep disorder person cease breathe sleep obstruction central neurological cause single complete progression stage sleep consist nrem sleep stage 3 4 call delta- action behavior individual conscious perform investment people society return economic collective reward social cognitive theory social construction model social interactionist theory category people share socioeconomic background exhibit similar lifestyle job opportunity attitude behavior theory attitude form observation behavior cognition environment theory emotional expression assume biologically wire emotion base experience situational context theoretical approach uncover way individual group participate formation perceive regulate behavior individual group sense separate powerless society tendency people perform different level base fact establish structure pattern behavior relationship accept fundamental culture way individual shape language development theory language acquisition drive desire communicate theory include biological social process tendency individual effort group setting compare individual setting movement individual social hierarchy change income education occupation somatic nervous system somatic symptom disorder philosophy drive large number people organize promote resist social change understand thought motive people present social world refer social cognition concept social inequality especially poverty reproduce pass generation organization society hierarchical system usually base socioeconomic status social class system people society organize characteristic pattern relationship perception reality care social process develop spread norm custom social standing class individual group determine combination education

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context detail gain source monitor error manifest person hear story happen later recall story personal memory phenomenon retain large amount information time session relearn increase form social stratification territory population involve residential environmental global reappearance condition response previously determine extinct unconscious activation closely link node retrieval cue memory aid person state emotion intoxication encode position society classify individual structure hair cell ear sway movement endolymph cause receptor potential hair cell ultimately lead detection incoming sound model classify stereotype dimension warmth competence feeling anxiety confirm negative stereotype attitude impression base limited superficial information person group individual extreme disapproval dislike person group base perceive difference social characteristic rest society drug cause increase central nervous system arousal energy pattern sense way body include visual auditory physical sensation retention encode information divide sensory short- term long term memory theory explain deviance natural reaction disconnect social goal social structure response significant event challenge decision biological element external condition event lead theory poverty inadequacy societal group people culture distinguish primary culture belong defense mechanism unacceptable urge transform socially acceptable behavior perception stimulus threshold usually threshold conscious perception basal ganglia responsible dopamine release permit proper functioning rest basal ganglia sympathetic nervous system system multiple

level observation group symlog fold cerebral cortex freudian psychoanalysis unconscious mind focus idealism perfectionism societal norm structure midbrain receive visual input impact eye movement object orient behavior nonmaterial culture represent group people express idea concept ethnic identity relevant special occasion specific circumstance impact everyday theoretical framework

study way individual interact share understanding word gesture branch autonomic nervous system control fight flight response associate stressful situation increase heart respiration rate decrease digestion adjustment neural connection life involve breaking weak neural connection bolstering strong way word organize create meaning method study group dynamic focus fundamental dimension interaction dominance vs. submission friendliness vs. unfriendliness instrumentally control vs. emotionally expressive impression management person market oneself adhere expectation portion prosencephalon cerebrum theory mind portion cerebral cortex control auditory processing memory processing emotional control language main active ingredient marijuana portion forebrain serve relay sort station sensory information transmit information cerebral ability sense mind work call limina minimum stimulus render difference perception decrease response drug physiological adaptation object recognition drive memory expectation allow brain recognize object recognize component base exist expectation personality theory focus describe individual personality sum characteristic behavior conversion physical electromagnetic auditory stimulus electrical signal nervous system linguistic theory focus change word order affect meaning minimum distance necessary point stimulation skin point feel distinct theorife personality focus create taxonomy

finite list personality type classical conditioning paradigm innate response bring unconditioned stimulus prior classical conditioning paradigm stimulus bring innate response emotion recognize culture include happiness sadness contempt surprise fear disgust anger process large number people migrate establish residence relatively dense area population

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