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TOSSUPS

1. In the 2000s, this country blocked a neighboring country's attempts to join NATO (NAY-"toe") and the EU due to a dispute over that neighbor's official name. In 1967 this country came under the rule of a military dictatorship known as the Regime of the Colonels ("kernels"). After that regime was discredited by the Turkish invasion of Cyprus, this country restored democracy in 1974. The (*) Papandreu (pah-pahn-DRAY-oos) are a prominent political family in this country, which has been bailed out by the International Monetary Fund and European Central Bank multiple times since 2010. For 10 points, name this country whose government is based in Athens.

ANSWER: Greece [or Hellenic Republic or Ellas or Ellada or Elliniki Dhimokratia]

2. In the *Mahabharata*, (muh-huh-BAH-ruh-tuh) Karna's father is a god of this type that owns a chariot pulled by seven horses. Gilgamesh's patron is a god of this realm named Shamash. Nine of these gods are struck with arrows by the Chinese archer Houyi ("HOE"-yee). This domain is ruled by both Surya and a deity who is lured out of a cave by the dancing of (*) Uzume (ooh-"ZOO"-may) after hiding from her storm god brother. Japanese emperors descend from this type of deity, who in Greek mythology permits his son Phaethon (FAY-uh-THAWN) to drive his chariot across the sky and burn the land. For 10 points, name this celestial object embodied by Amaterasu (ah-MAH-tay-RAH-soo) and Helios.

ANSWER: the sun [or Sol]

3. A sonnet by this author tells its addressee "Your force" will "breake, blowe, burn and make me new." In one of this author's poems, the speaker compares a marriage bed to a creature that contains "our two bloods mingled" while attempting to seduce a woman. This author told his pregnant wife Anne More "Thy firmness makes my circle just / and makes me end where I begun" in a poem written shortly before he left to tour Europe. This poet, who included (*) "Batter my heart, three person'd God" in the collection *Holy Sonnets*, wrote a poem comparing himself and his lover to needles of a compass. For 10 points, name this Metaphysical poet of "The Flea" and "A Valediction: Forbidding Mourning."

ANSWER: John Donne ("dun")

4. This author wrote a book containing the controversially-translated quote "The state is the march of God through the world." Besides that book, which places right, morality, and ethical life in concentric spheres, this thinker favored speculative thought with the sublation of ideas over Fichte's (FIK-tuh's) circular reflective thought, and defined sublation as the unity of a (*) thesis and antithesis. This contemporary and friend of Friedrich Schelling wrote *Elements of the Philosophy of Right* and discussed the master-slave dialectic. For 10 points, name this German Idealist philosopher, the author of *The Phenomenology of Spirit*.

ANSWER: Georg Wilhelm Friedrich Hegel (HAY-gull)

5. This author opens one of his poems by stating that "one must have a mind of winter to regard the frost and boughs" because listeners to the snow behold "nothing that is not there, and the nothing that is." This author of "The Snow Man" also wrote a poem whose first stanza states that the title creature's eye was "the only moving thing" "among twenty snowy mountains." A third poem by this author of (*) "Thirteen Ways of Looking at a Blackbird" is set during a funeral wake and commands "call the roller of big cigars" and "let be be the finale of seem." For 10 points, name this poet who began his anthology *Harmonium* with "The Emperor of Ice Cream."

ANSWER: Wallace Stevens

6. The lack of this substance is called xerostomia, which is a symptom of Sjögren's (SHOW-grin's) syndrome. The Wharton and Stensen ducts drain this substance from the submandibular and parotid glands respectively. Although it is not pancreatic juice, this substance contains an enzyme that hydrolyzes starch into maltose and dextrin, called alpha (*) amylase (AA-mih-lays). In Chinese cuisine, edible bird's nests are constructed from this substance. This substance helps form a bolus during mastication. For 10 points, name this liquid that is 99.5% water and is produced in the mouth.

ANSWER: saliva [prompt on "spit" or other synonyms]

7. It's not fish, but overproduction of this commodity became the basis for an 1893 territorial dispute between Britain and the U.S. over the Pribilof Islands. Trade of this commodity was the main business for both sides involved in the Battle of Seven Oaks, during which employees of Lord Selkirk were defeated by Métis (may-TEE) employees from the North West Company. In 1811, Fort Astoria was built by John (*) Jacob Astor on the Columbia River to facilitate trade in this commodity, which was the main product of the Hudson's Bay Company. For 10 points, name this commodity used to produce clothing such as beaver hats.

ANSWER: fur [or obvious equivalents such as pelts; accept more specific animals such as seal fur or beaver fur]

8. In the last two years, multiple bombings have occurred in this country's northern cities of Jos and Kaduna. This country is currently fighting Islamic militants around the city of Maiduguri (MY-doo-GOO-ree), the capital of its northeastern Borno state. In April 2014 this country declared itself to be Africa's largest economy, surpassing South Africa. In July 2015 most of this country's military command was fired by its new president (*) Muhammadu Buhari, a former dictator who recently succeeded the incompetent Goodluck Jonathan. For 10 points, name this African country where Boko Haram kidnapped over 200 girls in 2014.

ANSWER: Federal Republic of Nigeria

9. The reciprocal of this value squared defines the product of vacuum permittivity and permeability. This value was calculated by Fizeau by placing a rotating wheel between two mirrors and varying its period. Earth's orbit was shown to have no effect on this value by a negligible shift of interference fringes in the Michelson-Morley experiment. A charged particle exceeding this value for a medium produces Cherenkov radiation. At the (*) event horizon, the escape velocity from a black hole is this value, and Einstein stated that this valued squared times mass equals energy. For 10 points, what quantity is equal to about 300 million meters per second, the speed of a photon?

ANSWER: speed of light [or c]

10. This real-life ruler legendarily forced his troops to throw away their sandals and train barefoot. After this ruler tried to ban pregnancy in his kingdom for an entire year to mourn the death of his mother Nandi, he was assassinated by his half-brother Dingane (din-GAH-nay). He promoted the use of the iklwa (eek-luh-wah) stabbing spear and pioneered the (*) "buffalo horn" military formation. This ruler's conquests began the 19th-century mfecane (um-feh-KAH-nay), or "crushing time", during which thousands of people were displaced throughout southern Africa. For 10 points, name this founder of the Zulu Kingdom.

ANSWER: Shaka Zulu [or Chaka Zulu or Shaka kaSenzangakhona]

HALFTIME

11. In this show, Roland Jaycocks invents a training toilet for his son Chandler that makes sexual innuendos. A former cop from Philadelphia in this show tells his daughter-in-law about his murder of Hoffman and Fensky. In this show, Nacho Varga works for a drug dealer who breaks the legs of two skateboarders after they insult his (*) abuelita (ah-BWEH-lee-tah). Its protagonist steals money from the Kettlemans, and his brother Chuck is inflicted with electromagnetic sensitivity. For 10 points, name this TV show about a lawyer named James McGill, the prequel to *Breaking Bad*.

ANSWER: Better Call Saul

12. This man argued that Jesus was not a liar or a lunatic and thus must be the Lord in his namesake trilemma. The demon Wormwood fails to tempt the Patient into sin in an epistolary novel by this man. In a novel by this author,

Shasta flees from Calormen on the horse Bree and discovers he is really Prince Cor of Archenland. This author of *The Horse and His Boy* wrote the Christian apologetic texts *Mere Christianity* and *The (*) Screwtape Letters*. This author wrote a novel in which the Pevensie siblings travel through a wardrobe and defeat Jadis the White Witch with the help of the lion Aslan. For 10 points, name this British author of *The Chronicles of Narnia*.

ANSWER: C.S. Lewis [or Clive Staples Lewis; or Jack Lewis]

13. A composer from this country had a quartet of flutes play dissonant responses to an atonal solo trumpet motif in a piece titled *The Unanswered Question*. A composer from this country wrote a march whose middle section features a prominent piccolo solo. One of this country's composers wrote pieces such as "The Thunderer" and (*) "Semper Fidelis," and was called the March King. Another composer used a solo clarinet trill and glissando to begin his *Rhapsody in Blue*. For 10 points, name this country home to Charles Ives, George Gershwin, and John Philip Sousa, the last of whom wrote "The Stars and Stripes Forever."

ANSWER: United States of America [or U.S.A.; accept any underlined portion]

14. A leader of this religion was an illiterate peasant who succeeded his master Hong-ren after he composed a rebuttal to a gatha by Shen-xiu. That sixth patriarch created the Platform Sutra and was named Hui-neng. According to this religion, Mahakasyapa (mah-hah-kah-SHYEP-uh) obtained Dharma transmission because he smiled upon watching the Flower Sermon. Its first patriarch created Shaolin kung fu and was named (*) Bodhidharma (boh-dee-DAR-muh). This religion's sects include the Rinzai and Soto schools, and its adherents use paradoxical fables called koans to achieve satori. For 10 points, name this school of Buddhism popular in Japan.

ANSWER: Zen Buddhism [or Chan Buddhism; prompt on "Mahayana Buddhism"; prompt on "Pure Land Buddhism" or "Amidism"; prompt on "Buddhism"]

15. The Kaufmann head resembles a statue of this figure by Praxiteles (prak-SIT-ul-EEZ); that statue holds some drapery in its left hand and is titled this figure "of Knidos." A small Paleolithic statue titled this goddess "of Willendorf" has large breasts and emphasized genitals, leading to speculation it was used as a fertility idol. In a Bronzino painting, Folly prepares to throw some pink roses at this goddess while (*) Cupid fondles her breast and kisses her. A marble statue of this goddess in the Louvre is notably armless. For 10 points, name this goddess, who is shown reclining naked on a bed in a Titian (TIH-shun) painting titled her "of Urbino."

ANSWER: Venus [or Aphrodite]

16. In a novel by this author, a man shoots a small coin with a Colt .44 to demonstrate his military prowess. This author wrote a novel whose narrator continuously switches between first, second, and third-person perspective while recounting the events of his life, including his marriage to Catalina and his banishment from Coyuca.

General Tomás Arroyo murders one of this author's title characters, who "came to Mexico to die" by joining (*) Pancho Villa's (VEE-yah's) army. The disappearance of Ambrose Bierce inspired this man to write *The Old Gringo*. For 10 points, name this Mexican author who chronicled the life of the title tycoon in *The Death of Artemio Cruz*.

ANSWER: Carlos Fuentes [or Carlos Fuentes Macías]

17. In 1904 tens of thousands died of starvation after they were forced to cross this desert by the German forces of Lothar von Trotha, during the Herero (heh-"RARE"-ro) Genocide. The pastoralist Khoikhoi people live south of this desert, while the hunter-gatherer San people, or "Bushmen", live directly within it; both the Khoikhoi and San speak similar click-based languages. (*) Meerkats primarily live in this desert, which covers part of eastern Namibia and most of Botswana. For 10 points, name this hot, dry desert that covers much of southern Africa.

ANSWER: Kalahari Desert [accept Namib Desert]

18. This man proposed subsidence as the cause for coral reefs transitioning from fringing reefs to barrier reefs to atolls. Thomas Huxley publicly defended this man's ideas against William Wilberforce, earning him the nickname of this man's "bulldog." This man was influenced by the uniformitarianism of Charles Lyell and by the population growth theories of Thomas (*) Malthus. His most famous work used the example of finches with modified beaks existing on different islands of the Galapagos, which had adapted to feed on different sources of food. For 10 points, name this English biologist who wrote *On the Origin of Species by Means of Natural Selection*.

ANSWER: Charles Darwin

19. After this legislation was ruled unconstitutional by the Supreme Court, Justice Benjamin Curtis resigned in protest. One politician opposed repealing this legislation in his Peoria Speech. James Tallmadge tried to amend this legislation to forbid further expansion of slavery within the territory in question. It was effectively repealed in 1854 by the (*) Kansas-Nebraska Act, and it was also ruled unconstitutional three years later in the *Dred Scott* case. For 10 points, name this 1820 compromise which banned slavery north of the 36-30 parallel, except in its namesake state.

ANSWER: Missouri Compromise

20. In ChIP ("chip"), these proteins bind to DNA-binding proteins to precipitate them. These proteins induce a color change that is used to identify a substance in ELISA. They undergo random selection through VDJ recombination, resulting in great diversity. Examples of these proteins that target only a single epitope are known as "monoclonal", and their M variant forms a pentamer. They consist of two (*) light chains and two heavy chains connected by disulfide bonds, forming a Y shape. For 10 points, name these proteins produced by B cells that are used by the immune system to identify and neutralize pathogens.

ANSWER: antibodies [or immunoglobins]

END OF REGULATION, PROCEED ONLY IF TIED

21. In 1946 a British military office in one of these buildings was bombed by the Irgun ("ear"-GOON) militant group, which was led by future Israeli prime minister Menachem Begin (meh-NAH-kem BAY-ghen). The IRA tried to assassinate Margaret Thatcher by bombing one of these buildings in the town of Brighton. The 1923 Great Kanto Earthquake notably failed to damage one of them in Tokyo that had been designed by (*) Frank Lloyd Wright. To capitalize on the legality of casinos, the mobster Bugsy Siegel opened one of these buildings named the "Flamingo" along the Las Vegas Strip. For 10 points, name these buildings that house tourists.

ANSWER: hotels [accept similar descriptions like resorts]

22. The first step of this technique was shown to be flawed by a faulty assumption that proved all horses are the same color. Euclid used an early version of this technique in his proof by contradiction of the infinitude of the primes. The proposition is assumed to hold true for all values less than k in this technique's (*) strong form. This process begins by showing that the base case is true, and its namesake second step is to extend the proposition from k to $k + 1$. For 10 points, name this method that can prove a proposition for all natural numbers in a manner compared to falling dominoes.

ANSWER: finite mathematical induction [accept strong induction, complete induction, or course-of-values induction; prompt on "infinite descent" or "deductive reasoning"; do not accept "inductive reasoning"]

BONUSES

1. Interference due to this phenomenon creates a solid disk of light surrounded by a series of concentric rings when light is shone through a circular aperture. For 10 points each:

[10] Name this phenomenon, where waves are able to bend around an obstacle.

ANSWER: diffraction

[10] This man's namesake criterion determines the angular resolution of diffraction. He also names a type of scattering where the particles are much smaller than the wavelength of light.

ANSWER: Lord Rayleigh [or John William Strutt]

[10] This constant is multiplied by wavelength over aperture diameter to calculate angular resolution with the Rayleigh criterion. Round your answer to the nearest hundredth.

ANSWER: 1.22

2. This author described a large group of caricatured residents of the title location in his novel *Midaq Alley*. For 10 points each:

[10] Name this author who also wrote the stream-of-consciousness novel *The Thief and the Dogs* about the vengeful Said Mahran.

ANSWER: Naguib Mahfouz

[10] Naguib Mahfouz's novel *The Day the Leader was Killed* centers on the assassination of a president of this home country of Mahfouz.

ANSWER: Egypt [or Arab Republic of Egypt; or Jumhuriyat Misr al-Arabiyyah; or Gomhoreyyet Masr el-Arabeyya]

[10] *Palace Walk*, *Palace of Desire*, and *Sugar Street* are all collected in a *Trilogy* named for this Egyptian city.

ANSWER: Cairo [or al-Qahirah; prompt on "Masr"]

3. By the 1980s this country was home to over 700,000 military bunkers, or one for every four inhabitants. For 10 points each:

[10] Name this country that was led by the paranoid Communist leader Enver Hoxha (**HOE-juh**), who broke away from both the Stalinists and Maoists during the Cold War.

ANSWER: Albania [or People's Socialist Republic of Albania; or People's Republic of Albania; or Democratic Government of Albania; or Shqipëria; accept Republic of Albania]

[10] Under Hoxha's leadership, Albania had a tense relationship with neighboring Yugoslavia, which was then governed by this independent-minded Communist leader.

ANSWER: Josip Broz Tito [accept either underlined name]

[10] In 1997, Albania's government collapsed after it was discovered that nearly a fourth of the country's GDP actually consisted of these economic schemes; Bernie Madoff operated one of them that was discovered in 2008.

ANSWER: Ponzi scheme [or pyramid scheme; prompt on "scams" or other more general descriptions]

4. One of this author's novels contrasts the snobbish Elliot Templeton with the humble former fighter pilot Larry Darrell, who travels to India to seek enlightenment. For 10 points each:

[10] Name this author who wrote *The Razor's Edge*.

ANSWER: W. Somerset Maugham ("**mom**") [or William Somerset Maugham]

[10] The title of *The Razor's Edge* refers to a verse from this collection of 108 philosophical texts on Hindu theology. Their name is Sanskrit for "sitting down near."

ANSWER: Upanishads

[10] The Upanishads include commentaries on these four Sanskrit texts that name the pre-classical period of Hinduism. The oldest of these texts is known as the *Rig*.

ANSWER: Vedas [accept Rigveda]

5. A piece in this genre shares its title, *Patbétique*, with the nickname of Pyotr Ilyich Tchaikovsky's Symphony No. 6. For 10 points each:

[10] Name this genre in which Beethoven wrote the pieces *Waldstein*, *Appassionata*, and *Hammerklavier*.

ANSWER: piano sonata [prompt on "sonata"]

[10] Those pieces were all written some time after this Beethoven piano sonata, whose nickname derives from a critic's impression that it evoked the title phenomenon shimmering over a lake at night.

ANSWER: Moonlight Sonata [or Piano Sonata No. 14; prompt on "*Sonata quasi una fantasia*"]

[10] Beethoven's music in this genre includes a set of three pieces dedicated to Count Razumovsky, of which two quote Russian themes. An atonal opening characterizes a Mozart piece of this type nicknamed *Dissonance*.

ANSWER: string quartet [prompt on "quartet"]

6. Identify these French foods named after geographic locations, for 10 points each.

[10] According to French law, this popular type of sparkling wine can only be produced from grapes grown in its namesake region of northeastern France.

ANSWER: champagne (sham-"PAIN")

[10] White wine is used instead of vinegar to make this type of mustard, which originated during the 19th century in its namesake city in Burgundy.

ANSWER: Dijon (dee-JON) mustard

[10] In American cooking, this yellow-colored French sauce made of egg yolks and butter is usually served with an English muffin and eggs in an Eggs Benedict. This sauce's name refers to its purported origins in the Netherlands.

ANSWER: Hollandaise sauce

7. Answer the following about a famous pair of literary characters, for 10 points each.

[10] These two hapless Shakespeare characters constantly switch places in a namesake absurdist play by Tom Stoppard, in which they attempt to stab a player from a troupe of Tragedians with a retractable knife.

ANSWER: Rosencrantz and Guildenstern [Are Dead] [accept in either order]

[10] *Rosencrantz and Guildenstern Are Dead* ends when the duo reads a letter they are supposed to deliver for this Prince of Denmark and realize they are being sent to their deaths. This title prince says of his mother Gertrude that "Frailty, thy name is woman!"

ANSWER: Hamlet

[10] Rosencrantz and Guildenstern are often compared to these two main characters in the absurdist Samuel Beckett play *Waiting for Godot*.

ANSWER: Vladimir and Estragon [accept in either order]

8. Prehistoric examples of these animals included the big-toothed Smilodon. For 10 points each:

[10] Name these animals, whose domestic breeds include the Maine Coon and Scottish Fold and whose relatives include tigers and lions.

ANSWER: house cats [accept felines]

[10] Studies have shown that cats need at least 90 cm of room to perform this action. Cats attempting to do this action were the subject of a series of hilarious zero-g experiments.

ANSWER: land on their feet [or righting reflex; accept descriptive answers mentioning rotating in mid-air]

[10] White cats with blue eyes almost always have this trait. In cats with two different colored eyes, they will have this trait in the side with a blue eye.

ANSWER: deafness [accept equivalents indicating they can't hear]

9. Many Christian denominations reject the "infant" form of this practice in favor of the "believer's" form, conducted when one is old enough to personally profess their faith. For 10 points each:

[10] Name this practice of using water to induct believers into the Christian faith.

ANSWER: baptism [or word forms; prompt on "christening"]

[10] This Anabaptist denomination split away from the Mennonites in 1693. Its followers speak Pennsylvania Dutch, a dialect of German, and put adolescents through a rite of passage called Rumspringa.

ANSWER: Amish [or Amisch; or Amische]

[10] This other denomination conducts baptisms beginning at the age of eight. Among its sacred texts is a collection of teachings and beliefs called the Doctrine and Covenants.

ANSWER: Mormonism [or the Mormon Church; or the Church of Jesus Christ of Latter-day Saints; or the LDS Church]

10. This legislative body has been called a "traveling circus" because it wastes millions of Euros every year traveling between its two main meeting places. For 10 points each:

[10] Name this continent-wide legislative body that meets for part of the year in the French city of Strasbourg

("STRAWS"-burg).

ANSWER: European Parliament [or EU Parliament; prompt on "Parliament"]

[10] For the rest of the year, the European Parliament meets in this capital of Belgium, which is also the unofficial capital of the EU.

ANSWER: Brussels

[10] The 2014 elections for the European Parliament saw wide gains for "Eurosceptic" parties such as Alexis Tsipras' (SIP-risses) left-wing Syriza (SER-iz-uh) party; Syriza currently leads an anti-austerity governing coalition in this European country.

ANSWER: Greece [or Hellenic Republic or Ellas or Ellada or Elliniki Dhimokratia]

11. This woman published the leftist journal *Mother Earth*. For 10 points each:

[10] Alexander Berkman was the lover of what female political activist, who publicly promoted anarchism in late 19th and early 20th century America?

ANSWER: Emma Goldman

[10] Goldman's public speeches supposedly inspired the mentally ill man Leon Czolgosz (CHOL-"gosh") to assassinate this sitting president.

ANSWER: William McKinley

[10] After she was deported from the U.S., Goldman visited the Soviet Union and wrote the book *My Disillusionment With Russia*, in which she criticized the so-called New Economic Policy of this Bolshevik who led the October Revolution.

ANSWER: Vladimir Lenin [or Vladimir Ilyich Lenin; or Vladimir Ilyich Ulyanov]

12. Many people interacted with the three-headed guardian hellhound Cerberus. For 10 points each:

[10] As his twelfth and final labor, this man is tasked to capture Cerberus alive in order to repent for his murder of his wife Megara and their children.

ANSWER: Herakles [or Hercules; or Alkaios; or Alkeides]

[10] In Book VI of *The Golden Ass* by Apuleius, this lover of Cupid throws "cakes of barley mixed with honey" to Cerberus in order to deliver a box of beauty from Proserpina to Venus.

ANSWER: Psyche

[10] After this item is easily torn off from a tree, the Cumaeen Sibyl throws a drugged cake to Cerberus and shows this item to Charon in order to lead Aeneas to talk to his father Anchises.

ANSWER: the golden bough [or the golden branch; or aureus ramus; or ramus aureus; prompt on "bough" or "branch" or "ramus"]

13. Paul Signac utilized this technique to depict an art critic and friend of its major proponent in his *Portrait of Félix Fénéon*. For 10 points each:

[10] Name this technique which its main proponent developed from reading the writings of Ogden Rood and M.E. Chevreul into what he called "Chromoluminarism".

ANSWER: pointillism [or divisionism; accept word forms of either]

[10] This Post-Impressionist painter developed pointillism, as shown in his masterpiece depicting leisurely Parisian life, *A Sunday Afternoon on the Island of La Grande Jatte*.

ANSWER: Georges-Pierre Seurat

[10] Seurat depicted four members of this profession in his painting *Le Chabut*. Contemporaneously, Henri de Toulouse-Lautrec depicted several members of this profession in his posters of the Moulin Rouge.

ANSWER: dancers [accept specific types of dancers; prompt on more general answers such as "performers"]

14. This man was known as "the Little Magician." For 10 points each:

[10] What president presided over the Panic of 1837, which was partly caused by his predecessor's economic policies?

ANSWER: Martin Van Buren

[10] Van Buren succeeded this president, who fought the Second Bank of the United States.

ANSWER: Andrew Jackson

[10] In 1836, Jackson issued this controversial executive order, which mandated that government land be paid for in only gold or silver.

ANSWER: Specie Circular

15. This man wrote "Strange now to think of you, gone without corsets & eyes" in an elegy to his mother Naomi. For 10 points each:

[10] Name this poet who wrote a poem titled "Kaddish." This man's reading of "Howl" at The Six Gallery put him on the map as a leading poet of the Beat Generation.

ANSWER: Allen Ginsberg [or Irwin Allen Ginsberg]

[10] Ginsberg's poem "Howl" opens with the line "I saw the best minds of my generation destroyed by" *this trait*. Exact answer required.

ANSWER: madness

[10] This other Beat poet co-founded the City Lights Bookstore, which published Ginsberg's "Howl." This poet also wrote the collection *A Coney Island of the Mind*.

ANSWER: Lawrence Ferlinghetti [or Lawrence Monsanto Ferlinghetti; or Lawrence Monsanto Ferling]

16. This one-time student of Melanie Klein later disagreed with her over the presence of the superego in newborns. For 10 points each:

[10] Name this female psychologist and author of *The Ego and Mechanisms of Defense*.

ANSWER: Anna Freud [prompt on "Freud"]

[10] In 1922 Anna Freud was inducted into the Vienna Psychoanalytic Society, or the Wednesday Society, whose first president was this man. This formulator of "inferiority complexes" did research on the effects of birth order on personality.

ANSWER: Alfred Adler

[10] Anna Freud was the daughter of this prominent Austrian psychoanalyst, who conceived of the id, ego, and superego and defense mechanisms.

ANSWER: Sigmund Freud [or Sigismund Schlomo Freud; prompt on "Freud"]

17. These animals possess two arms and eight tentacles surrounding a central buccal cavity. For 10 points each:

[10] Name these marine animals, which move primarily by ejecting water out their siphon.

ANSWER: squid [accept Teuthida; prompt on "cephalopods" or "*Cephalopoda*"]

[10] Squids and several other cephalopods are skilled at camouflage because they possess the ability to do this, which allows them to create countershading and blend in with their surroundings.

ANSWER: the ability to change colors [or coloration; accept equivalents involving changing their skin]

[10] The giant squid may be best known for fighting these massive mammals in the depths of the ocean. These mammals possess a large organ on their head full of a namesake fluid, which helps them regularly make several thousand foot dives.

ANSWER: sperm whale [accept Physeter macrocephalus; prompt on "whale"]

18. Edward Teller and Stanislaw Ulam developed this weapon for the United States. For 10 points each:

[10] Name this more powerful cousin of the "atomic bomb," which uses a primary fission bomb to trigger an even larger secondary fusion reaction.

ANSWER: Hydrogen bomb [or thermonuclear bomb; prompt on "nuclear bomb"]

[10] This scientist developed the first Soviet H-bomb design, which was known as his "Third Idea." Later he became an advocate for peace and won the Nobel Peace Prize in 1975.

ANSWER: Andrei Sakharov [accept Sakharov's Third Idea]

[10] In 1954 the United States tested its first dry-fuel hydrogen bomb, codenamed Castle Bravo, at this iconic Pacific atoll in the Marshall Islands.

ANSWER: Bikini Atoll

19. Paget Brewster appears in season five of this TV show as Debra Chambers, the head of the IT department, who lifts a web filter in exchange for better parking. For 10 points each:

[10] Brewster now plays Frankie Bolt, the new Greendale CFO, in this Dan Harmon sitcom, which stars Joel McHale as lawyer and eventual law teacher Jeff Winger.

ANSWER: Community

[10] This actor plays Troy Barnes, who leaves Greendale in season five to sail around the world with LeVar Burton. He currently makes hip hop music under his stage name Childish Gambino.

ANSWER: Donald Glover [or Donald McKinley Glover Jr.; enthusiastically accept Dong Lover; prompt on "Childish Gambino"]

[10] *Community* is now streamed by this company's Screen service, along with *Other Space* and *Sin City Saints*. Marissa Mayer heads this company that owns Flickr and Tumblr.

ANSWER: Yahoo!

20. This leader angered Ashanti farmers by fixing the price of cocoa in the 1950s. For 10 points each:

[10] Name this Pan-Africanist leader who constructed the Akosombo Dam to form Lake Volta in the 1960s.

ANSWER: Kwame Nkrumah (en-KROO-mah)

[10] Nkrumah was the first president of what west African country, which was known as the Gold Coast during the colonial era?

ANSWER: Ghana [or Republic of Ghana]

[10] The Gold Coast was part of this European empire, whose other African possessions famously formed a "Red Line" stretching from Egypt to South Africa.

ANSWER: British Empire [accept Britain or United Kingdom or UK; prompt on "England"]

21. This author wrote a story that ends with the discovery of its title character's skeletal remains and heart inside a lime kiln, and is subtitled after the search for the "Unpardonable Sin." For 10 points each:

[10] Name this author who included *Ethan Brand* in his *Other Twice-Told Tales*.

ANSWER: Nathaniel Hawthorne [or Nathaniel Hathorne]

[10] Name this short story by Hawthorne whose title event inspires Widow Wycherly, Colonel Killigrew, Mr. Medbourne, and Mr. Gascione to go off in search of the Fountain of Youth.

ANSWER: "Dr. Heidegger's Experiment"

[10] Hawthorne also wrote this novel in which Hester Prynne is forced to wear the title object due to her liaison with Arthur Dimmesdale.

ANSWER: *The* Scarlet Letter