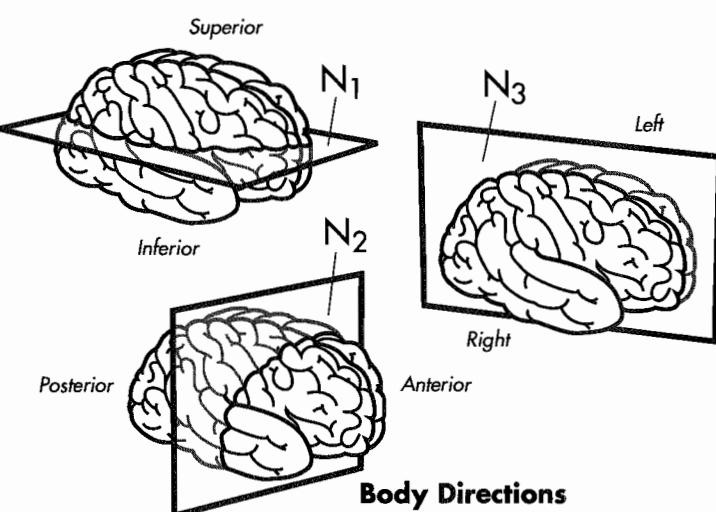
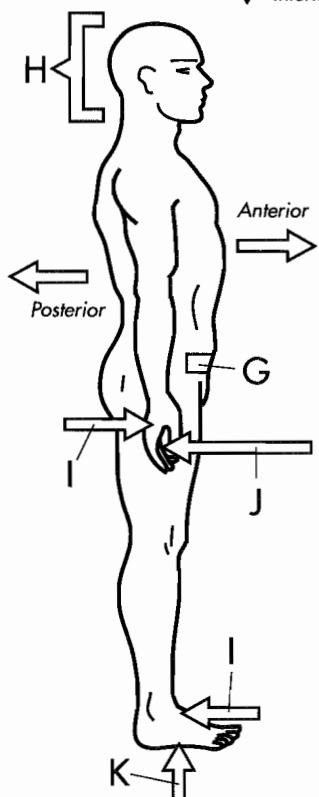
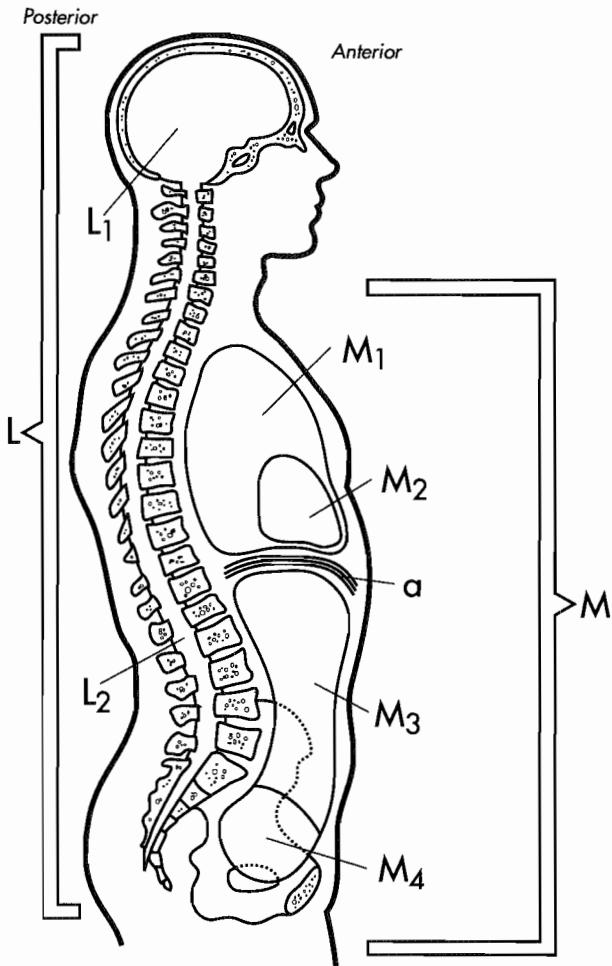
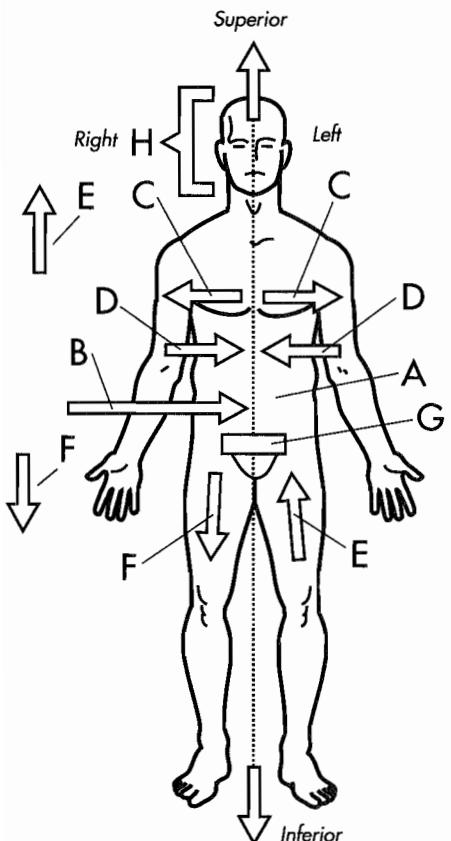


ANATOMICAL TERMINOLOGY



Body Directions

Anatomical position	A	<input type="radio"/>
Midline	B	<input type="radio"/>
Lateral	C	<input type="radio"/>
Medial	D	<input type="radio"/>
Proximal	E	<input type="radio"/>
Distal	F	<input type="radio"/>
Caudal	G	<input type="radio"/>

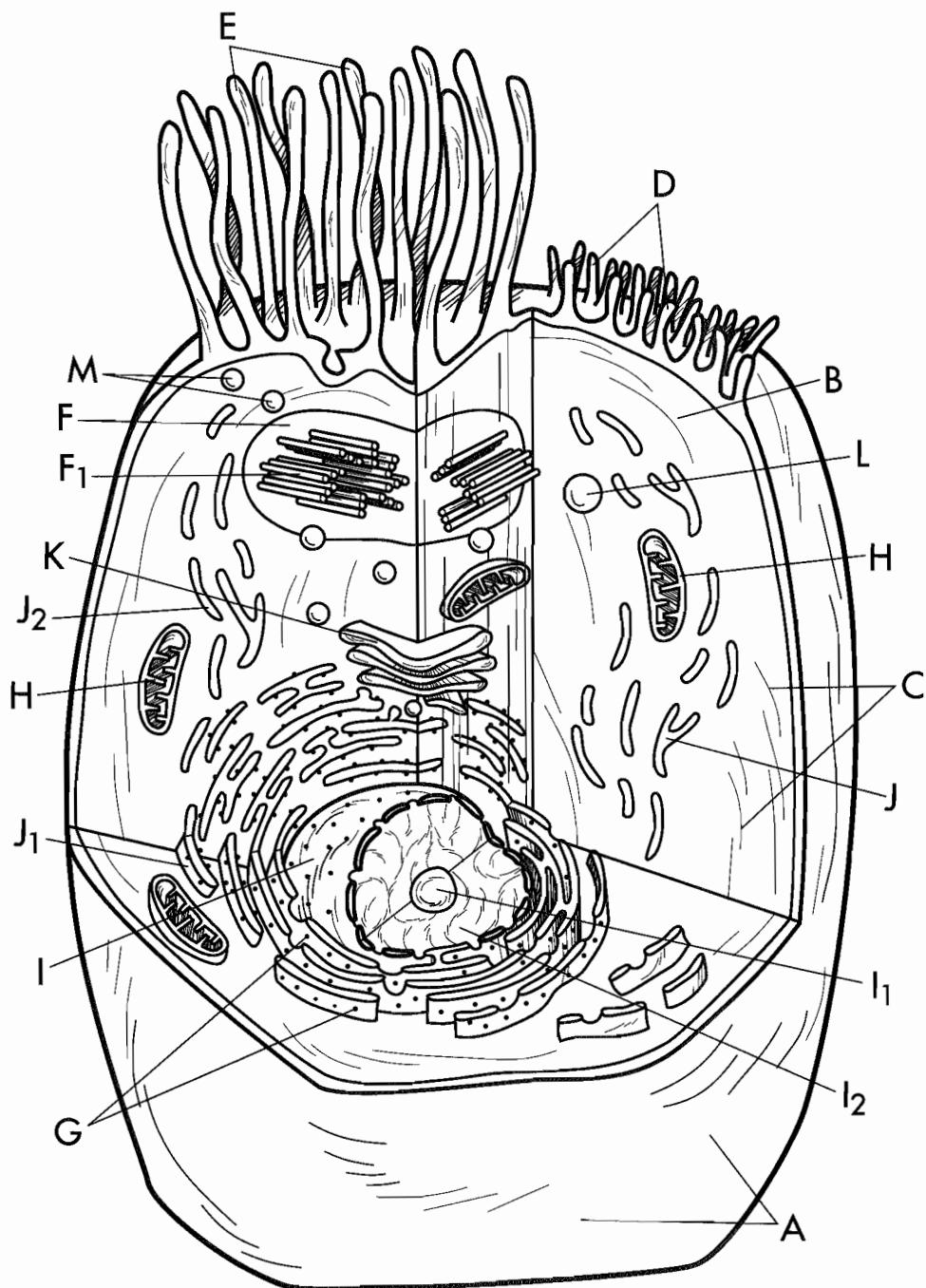
Cranial	H	<input type="radio"/>
Dorsal surface	I	<input type="radio"/>
Palmar surface	J	<input type="radio"/>
Plantar surface	K	<input type="radio"/>
Diaphragm	a	<input type="radio"/>

Body Cavities

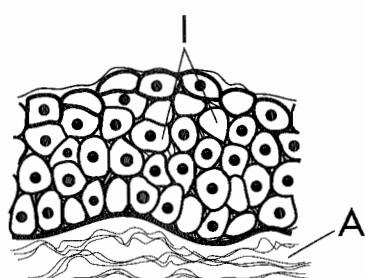
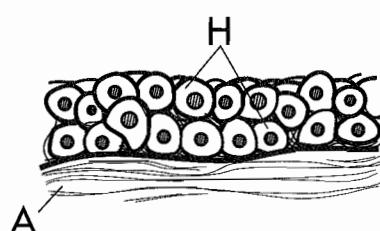
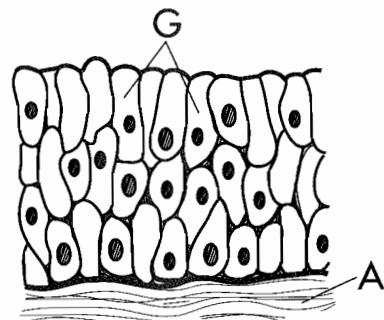
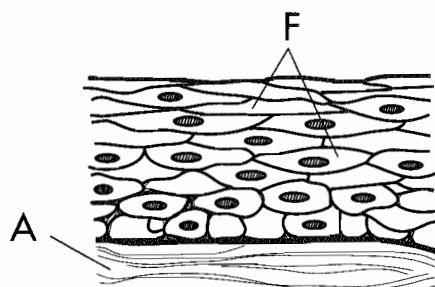
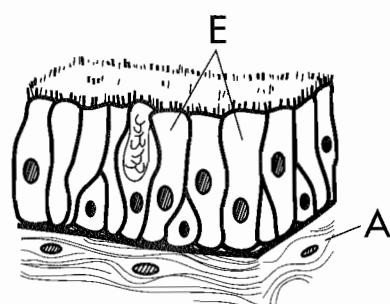
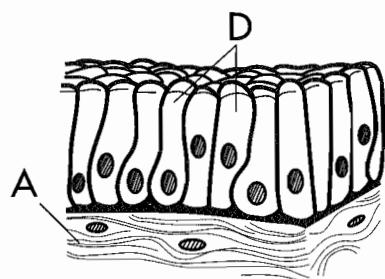
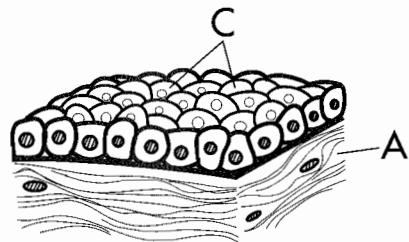
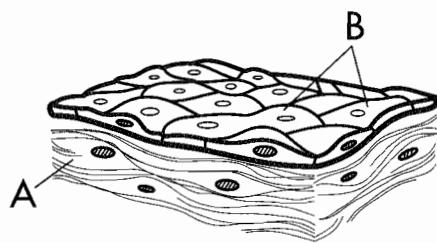
Dorsal cavity	L	<input type="radio"/>
Cranial cavity	L1	<input type="radio"/>
Spinal cavity	L2	<input type="radio"/>
Ventral cavity	M	<input type="radio"/>
Thoracic cavity	M1	<input type="radio"/>
Pericardial cavity	M2	<input type="radio"/>
Abdominal cavity	M3	<input type="radio"/>
Pelvic cavity	M4	<input type="radio"/>

Planes

Transverse plane	N1	<input type="radio"/>
Frontal plane	N2	<input type="radio"/>
Sagittal plane	N3	<input type="radio"/>



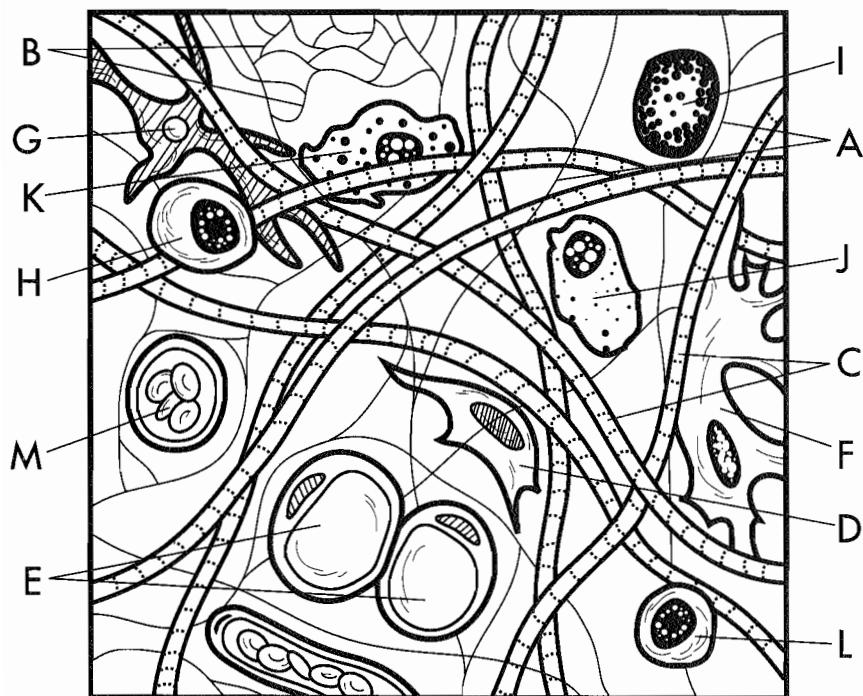
Cell membrane	A	<input type="radio"/>	Centrioles	F ₁	<input type="radio"/>	Endoplasmic reticulum	J	<input type="radio"/>
Cytosol (Cytoplasm)	B	<input type="radio"/>	Ribosomes	G	<input type="radio"/>	Rough ER	J ₁	<input type="radio"/>
Cytoskeleton	C	<input type="radio"/>	Mitochondrion	H	<input type="radio"/>	Smooth ER	J ₂	<input type="radio"/>
Microvilli	D	<input type="radio"/>	Nucleus	I	<input type="radio"/>	Golgi body	K	<input type="radio"/>
Cilia	E	<input type="radio"/>	Nucleolus	I ₁	<input type="radio"/>	Lysosome	L	<input type="radio"/>
Centrosome	F	<input type="radio"/>	Nucleoplasm	I ₂	<input type="radio"/>	Peroxisome	M	<input type="radio"/>



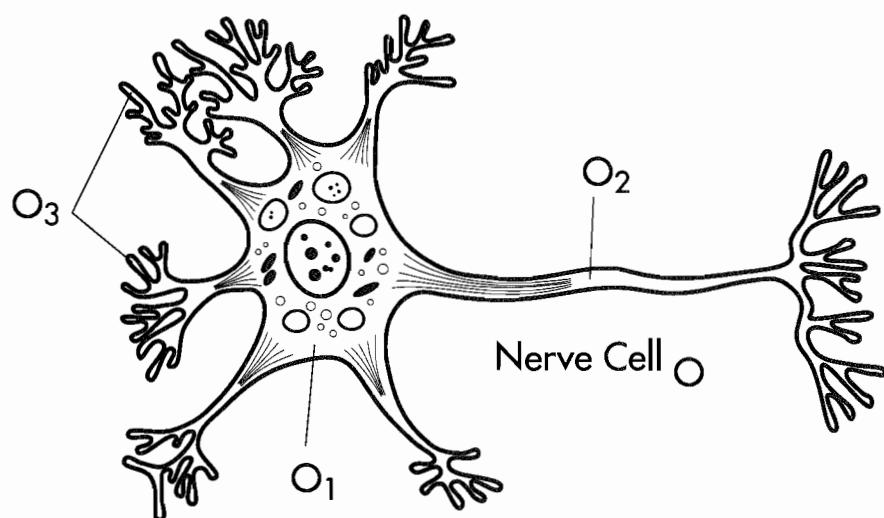
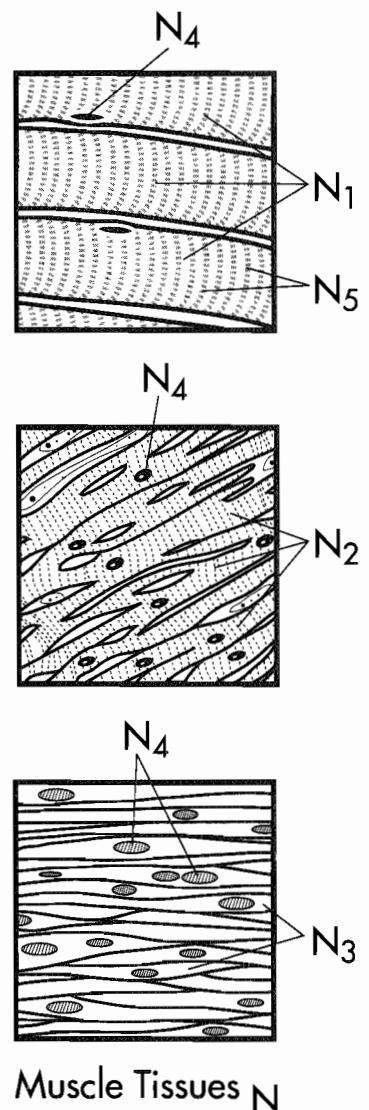
- | | | |
|--------------------------------------|---|-----------------------|
| Basement membrane | A | <input type="radio"/> |
| Simple squamous epithelium | B | <input type="radio"/> |
| Simple cuboidal epithelium | C | <input type="radio"/> |
| Simple columnar epithelium | D | <input type="radio"/> |
| Pseudostratified columnar epithelium | E | <input type="radio"/> |

- | | | |
|--------------------------------|---|-----------------------|
| Stratified squamous epithelium | F | <input type="radio"/> |
| Stratified columnar epithelium | G | <input type="radio"/> |
| Stratified cuboidal epithelium | H | <input type="radio"/> |
| Transitional epithelium | I | <input type="radio"/> |

CONNECTIVE, MUSCLE, AND NEURAL TISSUES



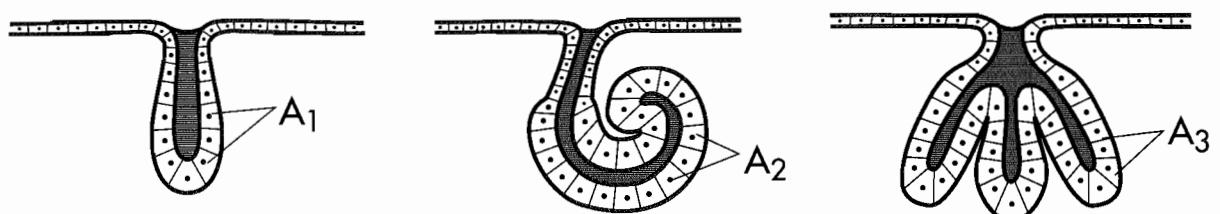
Connective Tissue



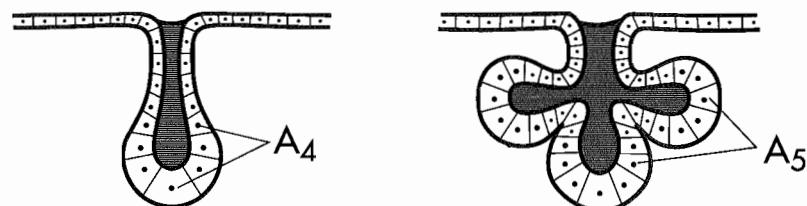
Elastic fibers	A	<input type="radio"/>	Mast cell	I	<input type="radio"/>	Smooth muscle	N ₃	<input type="radio"/>
Reticular fibers	B	<input type="radio"/>	Wandering macrophage	J	<input type="radio"/>	Nucleus	N ₄	<input type="radio"/>
Collagen fibers	C	<input type="radio"/>	Sessile macrophage	K	<input type="radio"/>	Striations	N ₅	<input type="radio"/>
Mesenchymal cell	D	<input type="radio"/>	Lymphocyte	L	<input type="radio"/>	Nerve cell	O	<input type="radio"/>
Fat cells	E	<input type="radio"/>	Red blood cells	M	<input type="radio"/>	Cell body	O ₁	<input type="radio"/>
Fibroblast	F	<input type="radio"/>	Muscle tissue	N	<input type="radio"/>	Axon	O ₂	<input type="radio"/>
Melanocyte	G	<input type="radio"/>	Striated muscle	N ₁	<input type="radio"/>	Dendrites	O ₃	<input type="radio"/>
Plasma cell	H	<input type="radio"/>	Cardiac muscle	N ₂	<input type="radio"/>			

TYPES OF EXOCRINE GLANDS

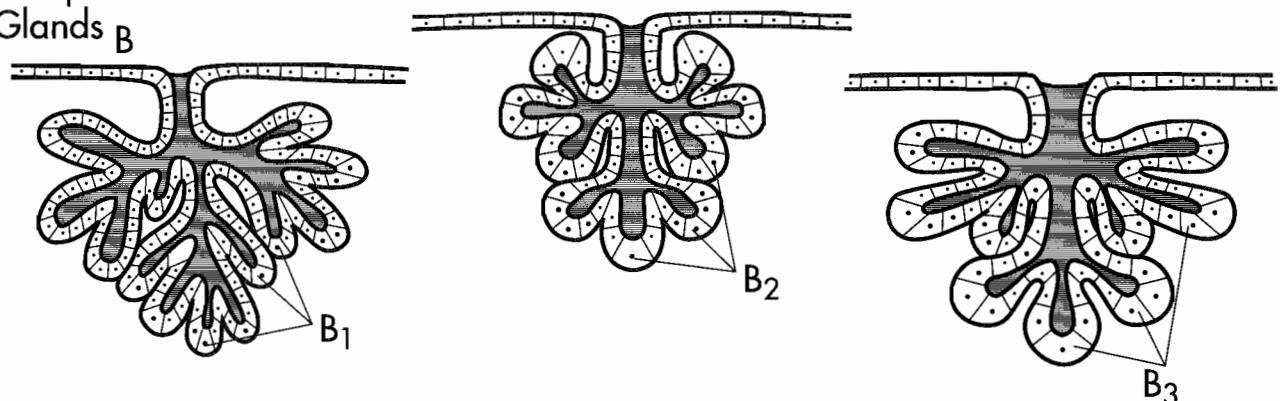
Structural Types ★



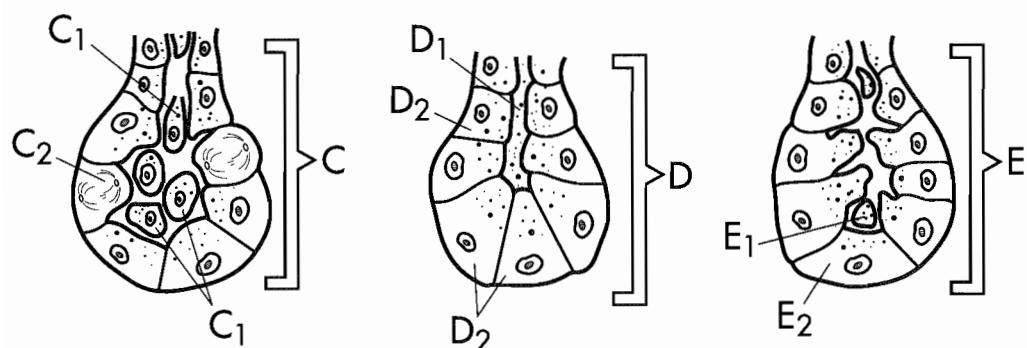
Simple Exocrine Glands **A**



Compound Exocrine Glands **B**



Functional Types ★

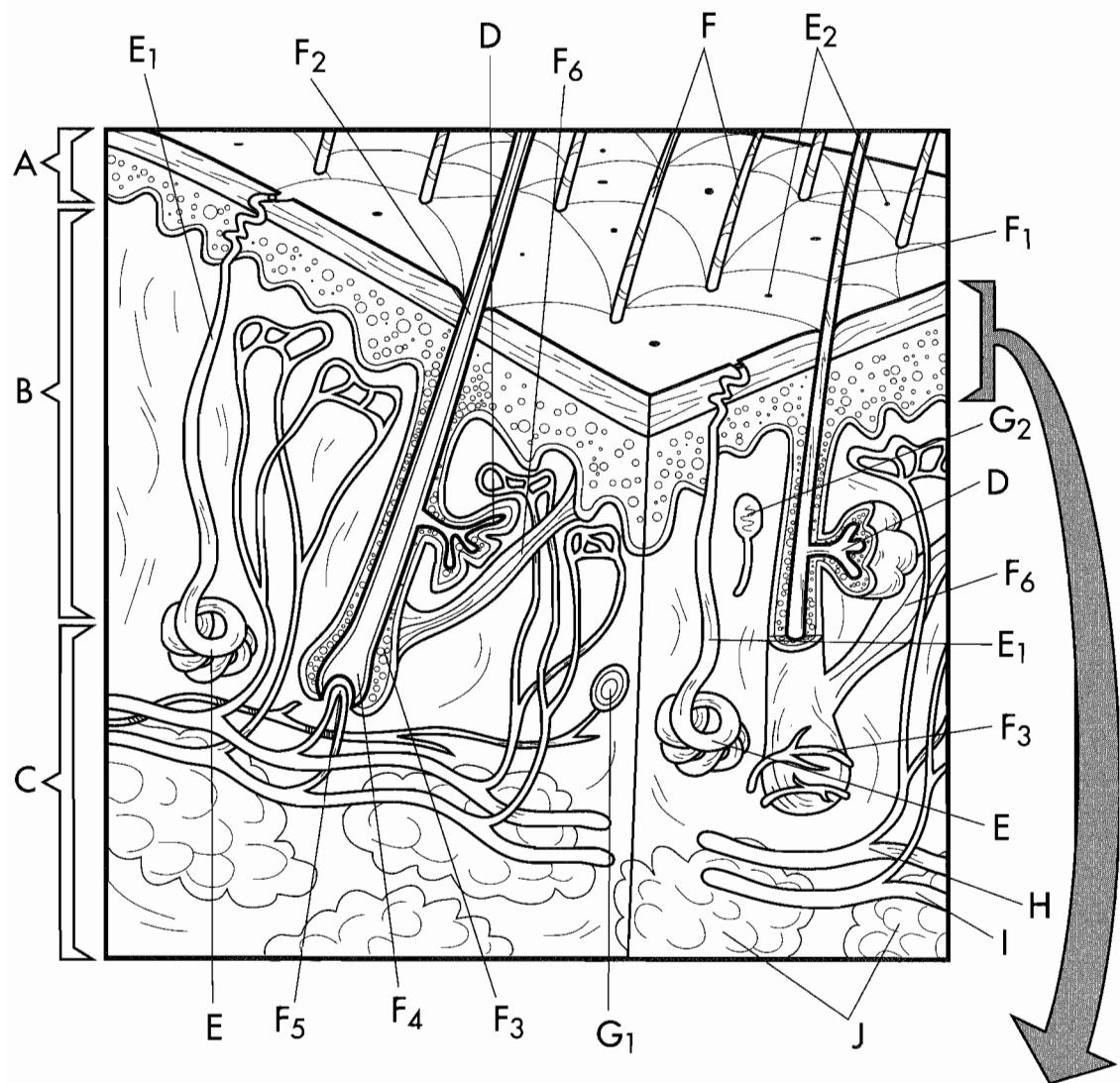


Simple exocrine glands	A	<input type="radio"/>	Tubular compound gland	B ₁	<input type="radio"/>	Secretion	D ₁	<input type="radio"/>
Tubular	A ₁	<input type="radio"/>	Alveolar compound gland	B ₂	<input type="radio"/>	Secretory cell	D ₂	<input type="radio"/>
Coiled	A ₂	<input type="radio"/>	Tubuloalveolar glands	B ₃	<input type="radio"/>	Apocrine gland	E	<input type="radio"/>
Branched	A ₃	<input type="radio"/>	Holocrine gland	C	<input type="radio"/>	Cell part	E ₁	<input type="radio"/>
Simple alveolar glands	A ₄	<input type="radio"/>	Discharged cell	C ₁	<input type="radio"/>	Parent cell	E ₂	<input type="radio"/>
Branched alveolar glands	A ₅	<input type="radio"/>	Developing cell	C ₂	<input type="radio"/>			
Compound exocrine glands	B	<input type="radio"/>	Merocrine gland	D	<input type="radio"/>			

CHAPTER TWO:

the INTEGUMENTARY
SYSTEM

THE INTEGUMENT (SKIN) AND DERIVATIVES

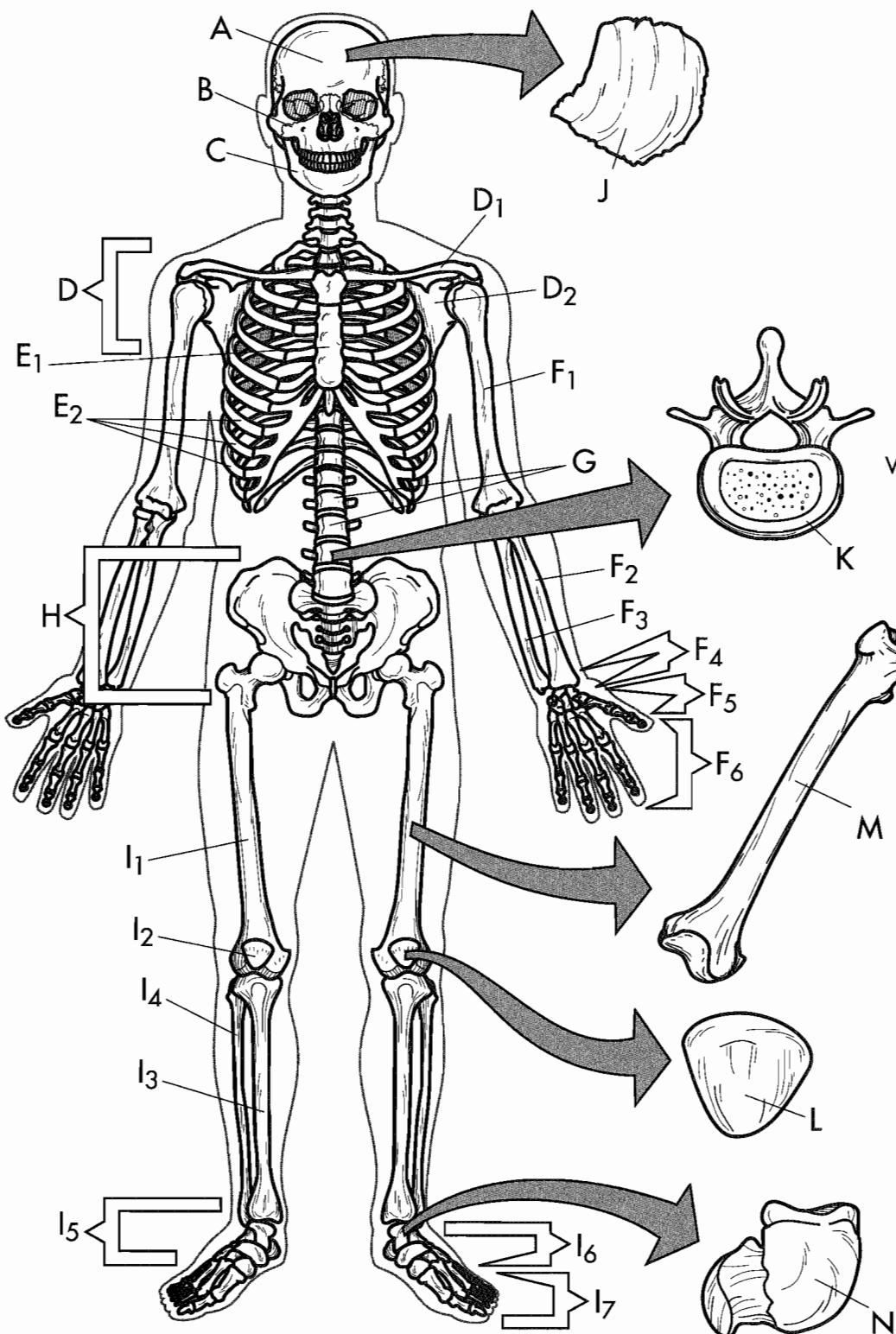


Epidermis	A	<input type="radio"/>
Stratum corneum	A ₁	<input type="radio"/>
Stratum lucidum	A ₂	<input type="radio"/>
Stratum granulosum	A ₃	<input type="radio"/>
Stratum spinosum	A ₄	<input type="radio"/>
Stratum basale	A ₅	<input type="radio"/>
Dermis	B	<input type="radio"/>
Hypodermis	C	<input type="radio"/>
Sebaceous glands	D	<input type="radio"/>
Sweat glands	E	<input type="radio"/>
Sweat gland ducts	E ₁	<input type="radio"/>
Sweat gland pores	E ₂	<input type="radio"/>
Hair	F	<input type="radio"/>
Hair shaft	F ₁	<input type="radio"/>
Root	F ₂	<input type="radio"/>
Root sheath	F ₃	<input type="radio"/>
Bulb	F ₄	<input type="radio"/>
Papilla	F ₅	<input type="radio"/>
Erector pilius	F ₆	<input type="radio"/>
Pacinian corpuscle	G ₁	<input type="radio"/>
Meissner's corpuscle	G ₂	<input type="radio"/>
Artery	H	<input type="radio"/>
Vein	I	<input type="radio"/>
Fat tissue	J	<input type="radio"/>

The diagram illustrates a cross-section of the skin. The epidermis is shown as a multi-layered structure with layers A1 through A5 labeled from top to bottom. Below the epidermis is the dermis, which contains various structures: sweat glands (E), sebaceous glands (D), hair follicles (F), and nerve endings. The hair follicle area is detailed with labels for the root sheath (F3), bulb (F4), papilla (F5), erector pilius (F6), and pacinian corpuscle (G1). To the right, a vertical bracket groups layers A1 through A5. Below the dermis, the hypodermis layer (C) is shown, followed by the subcutaneous fat tissue (J) and a network of blood vessels (Artery H and Vein I).

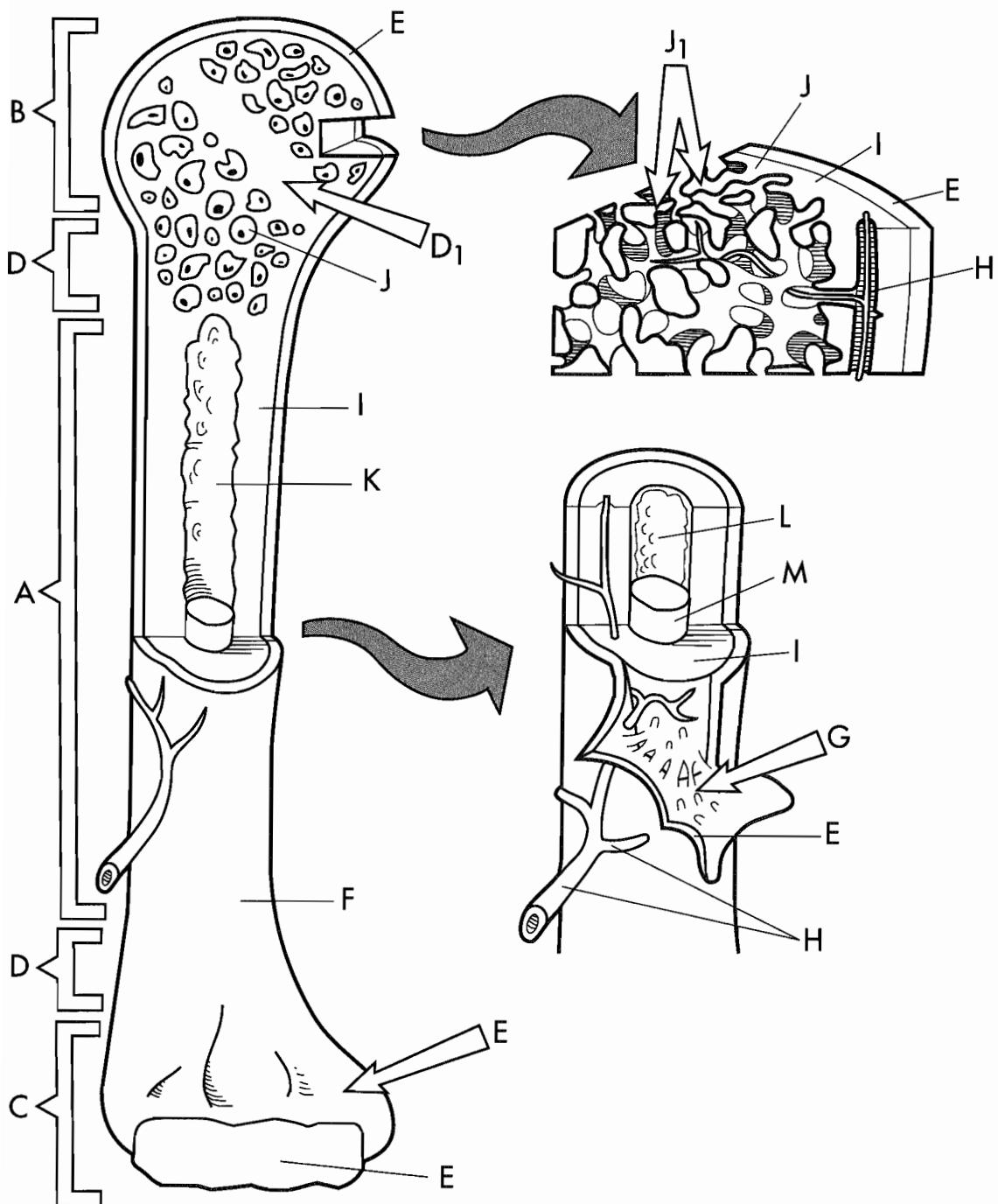
CHAPTER THREE:

the SKELETAL SYSTEM



Cranium	A	<input type="radio"/>
Face	B	<input type="radio"/>
Mandible	C	<input type="radio"/>
Pectoral girdle	D	<input type="radio"/>
Clavicle	D ₁	<input type="radio"/>
Scapula	D ₂	<input type="radio"/>
Sternum	E ₁	<input type="radio"/>
Ribs	E ₂	<input type="radio"/>
Humerus	F ₁	<input type="radio"/>
Radius	F ₂	<input type="radio"/>
Ulna	F ₃	<input type="radio"/>
Carpals	F ₄	<input type="radio"/>
Metacarpals	F ₅	<input type="radio"/>
Phalanges	F ₆	<input type="radio"/>
Vertebral column	G	<input type="radio"/>
Pelvic girdle	H	<input type="radio"/>
Femur	I ₁	<input type="radio"/>
Patella	I ₂	<input type="radio"/>
Tibia	I ₃	<input type="radio"/>
Fibula	I ₄	<input type="radio"/>
Tarsals	I ₅	<input type="radio"/>
Metatarsals	I ₆	<input type="radio"/>
Phalanges	I ₇	<input type="radio"/>
Flat bone	J	<input type="radio"/>
Irregular bone	K	<input type="radio"/>
Sesamoid bone	L	<input type="radio"/>
Long bone	M	<input type="radio"/>
Short bone	N	<input type="radio"/>

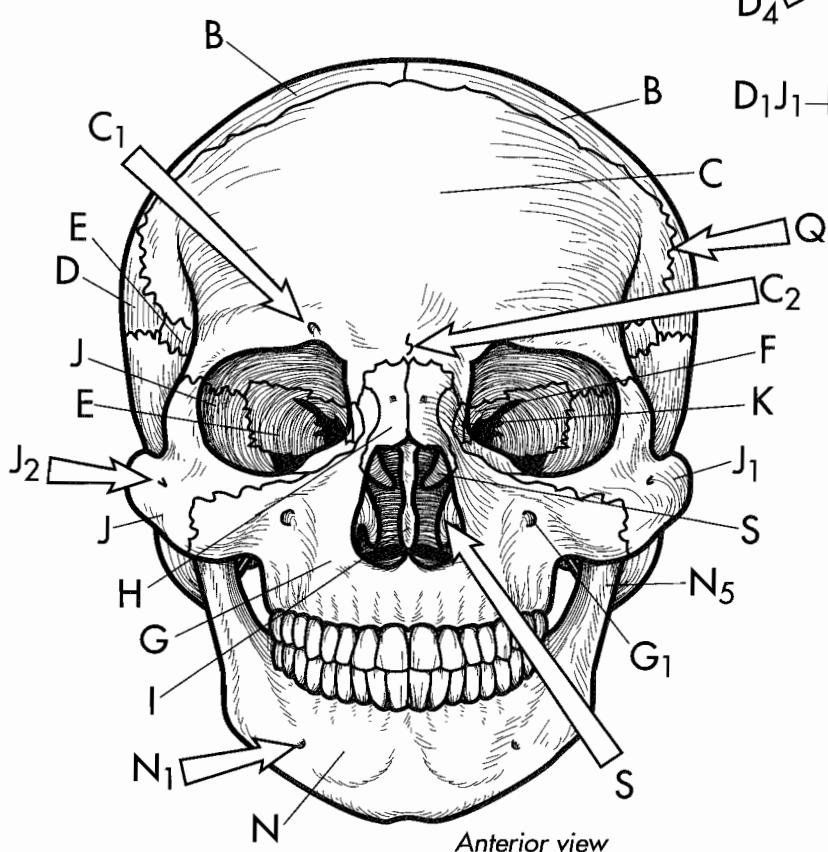
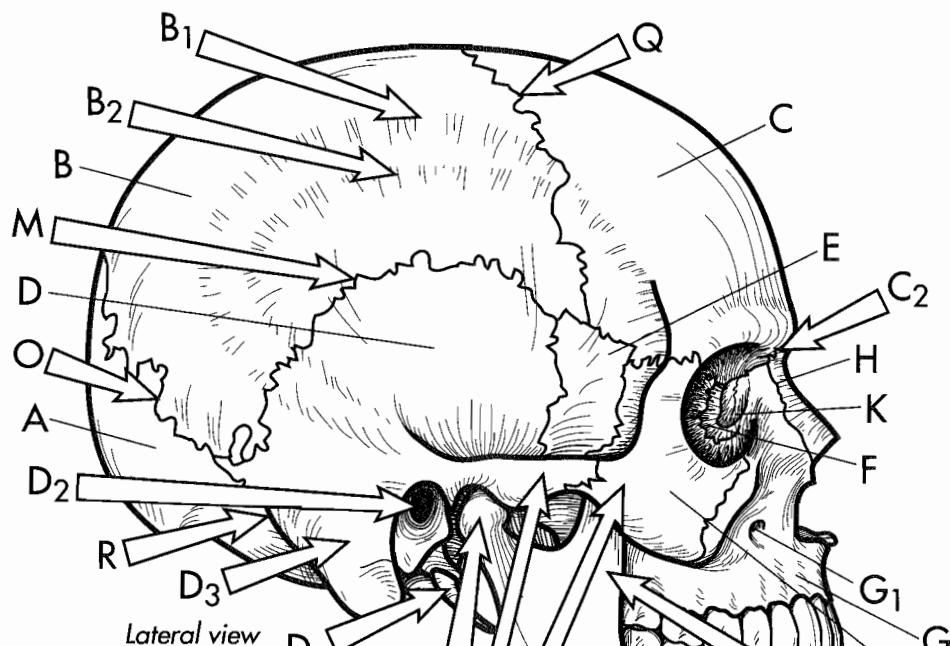
ANATOMY OF A LONG BONE



Diaphysis	A	<input type="radio"/>	Articular cartilage	E	<input type="radio"/>	Spongy bone	J	<input type="radio"/>
Proximal epiphysis	B	<input type="radio"/>	Periosteum	F	<input type="radio"/>	Trabeculae	J ₁	<input type="radio"/>
Distal epiphysis	C	<input type="radio"/>	Sharpey's fibers	G	<input type="radio"/>	Medullary cavity	K	<input type="radio"/>
Metaphysis	D	<input type="radio"/>	Nutrient arteries	H	<input type="radio"/>	Endosteum	L	<input type="radio"/>
Epiphyseal plate	D ₁	<input type="radio"/>	Compact bone	I	<input type="radio"/>	Marrow	M	<input type="radio"/>

THE SKULL-EXTERNAL SURFACE VIEW I

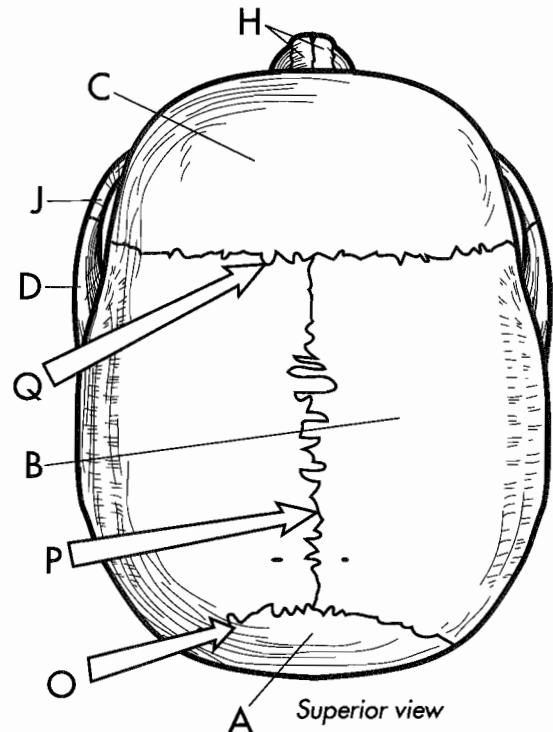
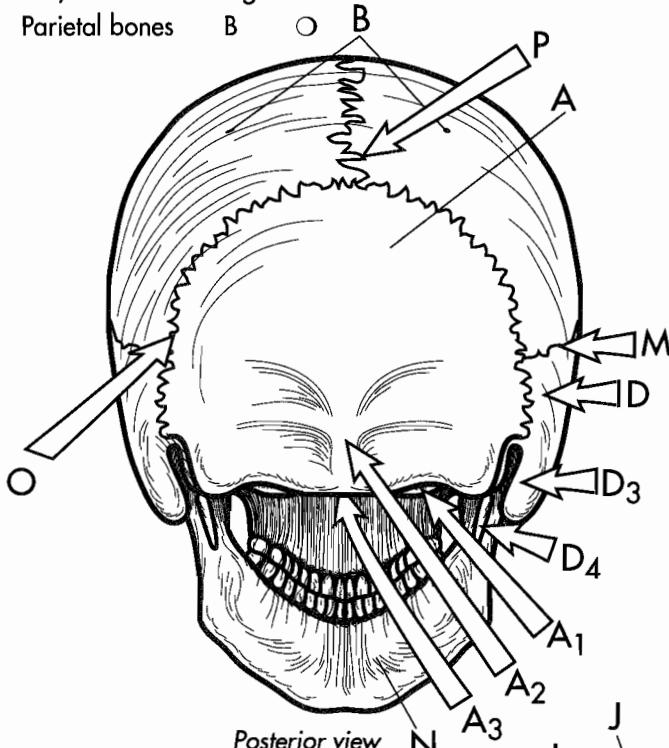
Occipital bone	A	○
Parietal bone	B	○
Superior temporal line	B ₁	○
Inferior temporal line	B ₂	○
Frontal bone	C	○
Supraorbital foramen	C ₁	○
Glabella	C ₂	○
Temporal bones	D	○
Zygomatic process	D ₁	○
Zygomatic arch	D ₁ , J ₁	○
External auditory meatus	D ₂	○
Mastoid process	D ₃	○
Styloid process	D ₄	○
Sphenoid bone	E	○
Ethmoid bone	F	○
Maxilla	G	○
Infraorbital foramen	G ₁	○



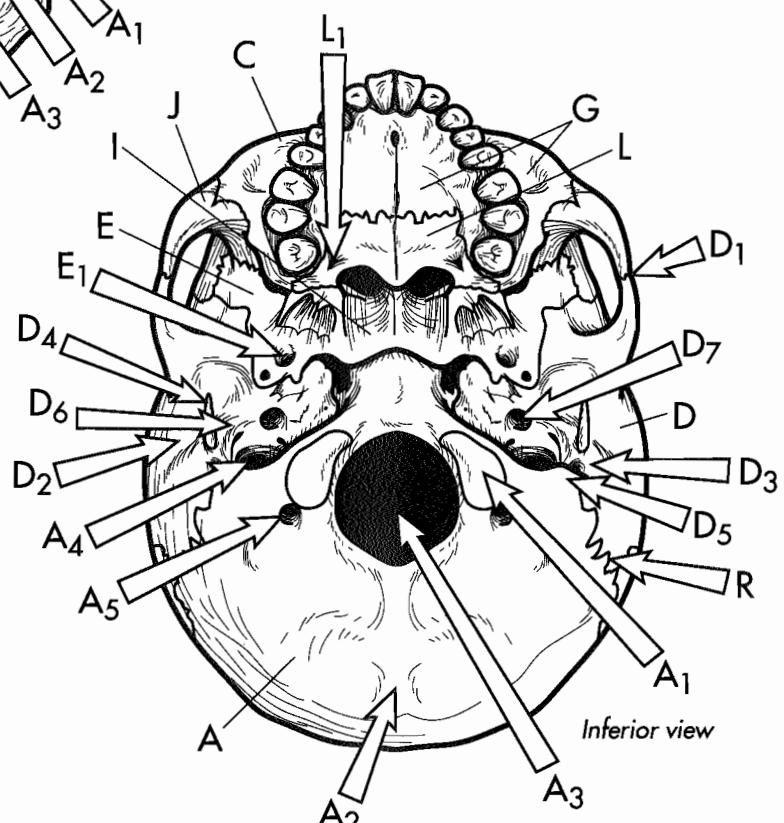
Nasal bones	H	○
Vomer bone	I	○
Zygomatic bone	J	○
Temporal process	J ₁	○
Zygomaticofacial foramen	J ₂	○
Lacrimal bone	K	○
Squamosal suture	M	○
Mandible	N	○
Mental foramen	N ₁	○
Body	N ₂	○
Ramus	N ₃	○
Condylar process	N ₄	○
Coronoid process	N ₅	○
Lambdoidal suture	O	○
Coronal suture	Q	○
Occipital mastoidal suture	R	○
Nasal concha	S	○

THE SKULL-EXTERNAL SURFACE VIEW II

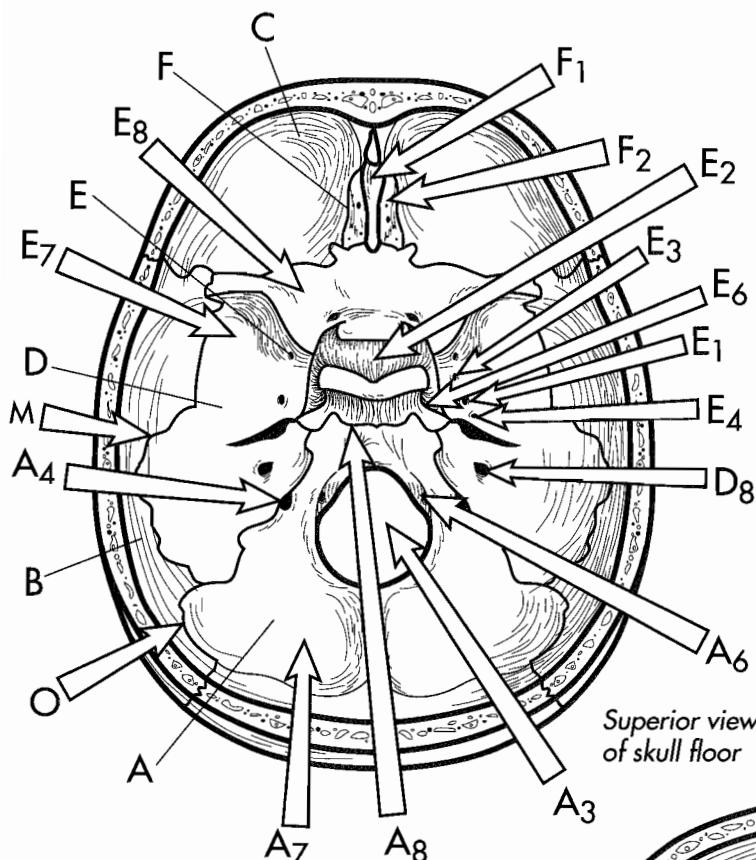
Occipital bone	A	O
Occipital condyles	A ₁	O
External occipital protuberance	A ₂	O
Foramen magnum	A ₃	O
Lateral foramen	A ₄	O
Condylloid fossa	A ₅	O
Parietal bones	B	O



Frontal bone	C	O
Temporal bone	D	O
Zygomatic process	D ₁	O
External auditory meatus	D ₂	O
Mastoid process	D ₃	O
Styloid process	D ₄	O
Styломastoid foramen	D ₅	O
Mandibular fossa	D ₆	O
Carotid foramen	D ₇	O
Sphenoid bone	E	O
Foramen ovale	E ₁	O
Maxilla	G	O
Nasal bones	H	O
Vomer bone	I	O
Zygomatic bone	J	O
Palatine bones	L	O
Occipitomastoidal foramen	L ₁	O
Squamosal suture	M	O
Mandible	N	O
Lambdoidal suture	O	O
Sagittal suture	P	O
Coronal suture	Q	O
Occipitomastoidal suture	R	O

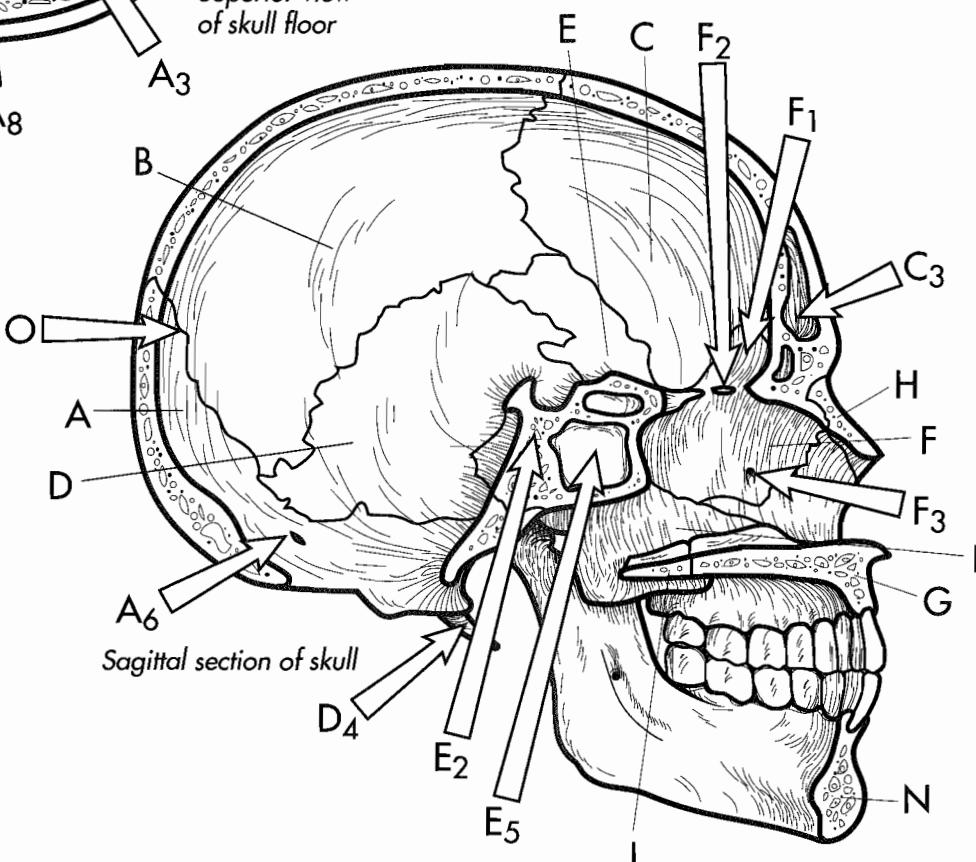


THE SKULL-INTERNAL SURFACE



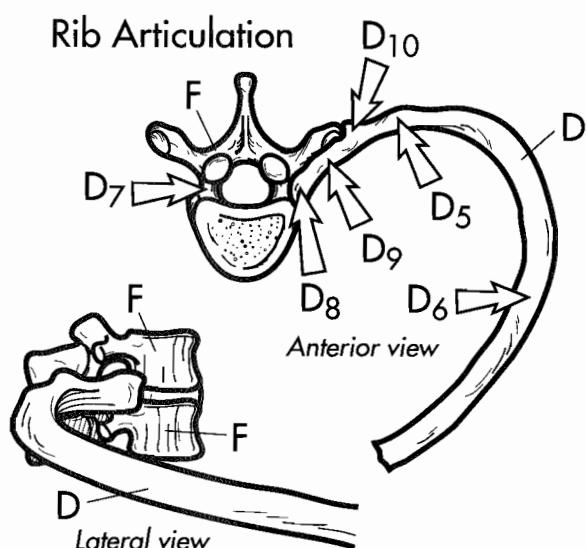
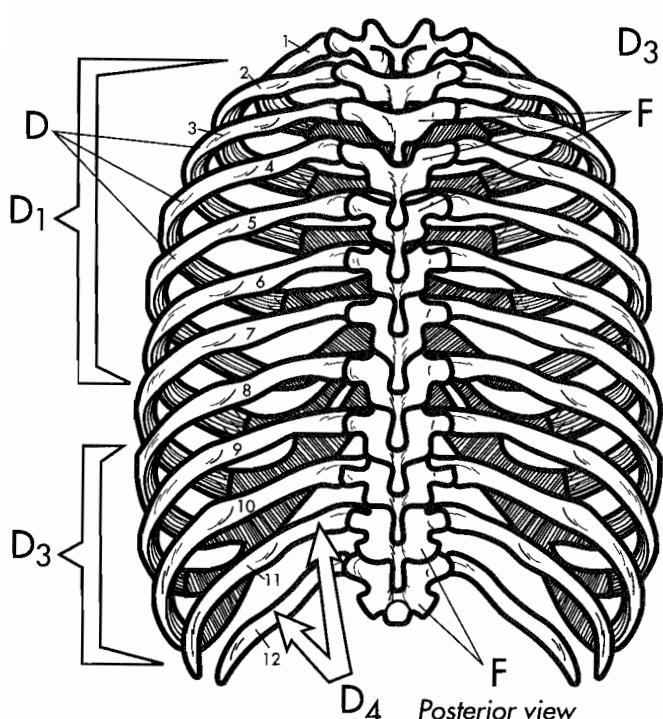
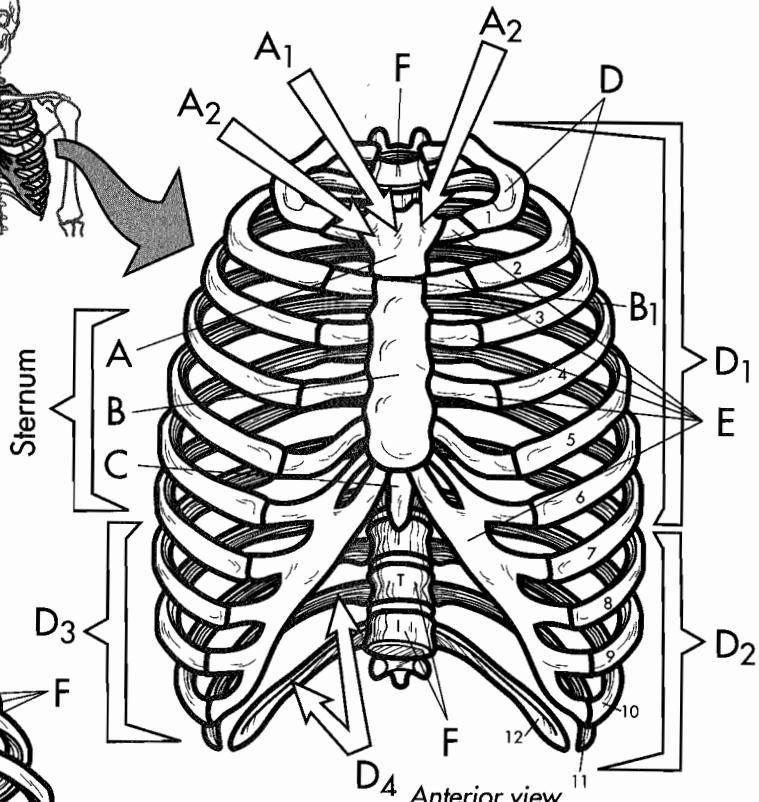
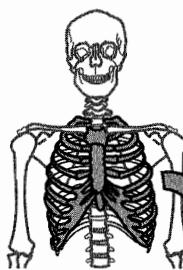
Occipital bone	A	O
Foramen magnum	A ₃	O
Jugular foramen	A ₄	O
Hypoglossal foramen	A ₆	O
Posterior cranial fossa	A ₇	O
Basioccipital band	A ₈	O
Parietal bone	B	O
Frontal bone	C	O
Frontal sinus	C ₃	O
Temporal bone	D	O
Styloid process	D ₄	O
Internal acoustic meatus	D ₈	O
Sphenoid bone	E	O
Foramen ovale	E ₁	O

Sella turcica	E ₂	O
Foramen rotundum	E ₃	O
Foramen spinosum	E ₄	O
Sphenoidal sinus	E ₅	O
Foramen lacerum	E ₆	O
Greater wings	E ₇	O
Lesser wings	E ₈	O
Ethmoid bone	F	O
Crista galli	F ₁	O
Cribiform plates	F ₂	O
Perpendicular plate	F ₃	O
Maxilla	G	O
Nasal bone	H	O
Vomer bone	I	O
Palatine bone	L	O
Squamosal suture	M	O
Mandible	N	O
Lambdoidal suture	O	O

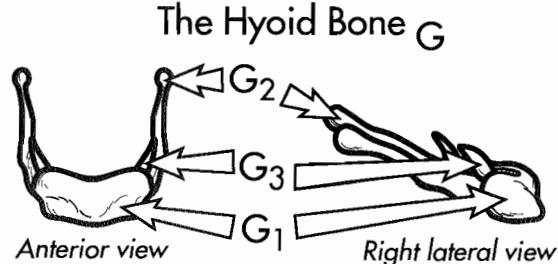


THE THORACIC CAGE AND HYOID BONE

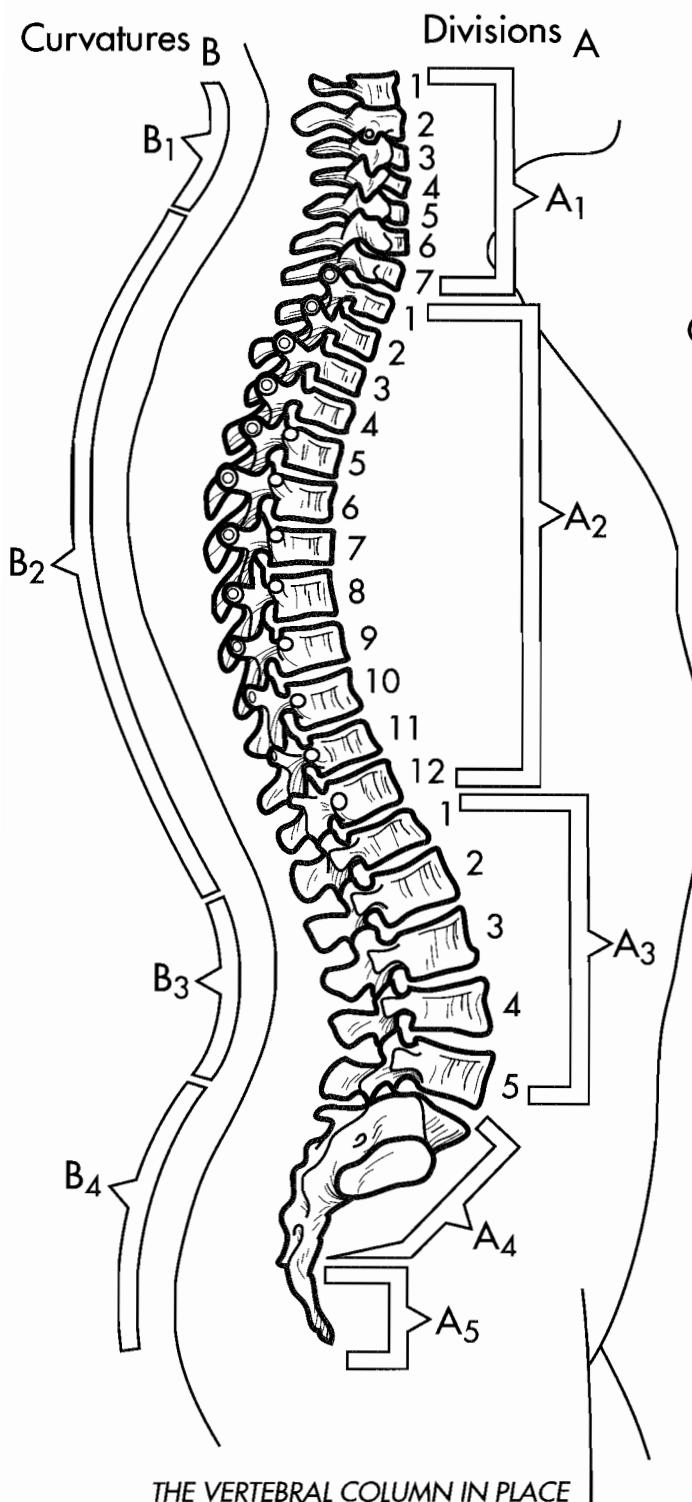
Manubrium	A	O
Jugular notch	A ₁	O
Clavicular notch	A ₂	O
Body	B	O
Sternal angle	B ₁	O
Xiphoid process	C	O
Rib	D	O
True ribs	D ₁	O
False ribs	D ₂	O
Vertebrochondral ribs	D ₃	O
Floating ribs	D ₄	O
Concave angle	D ₅	O
Shaft	D ₆	O
Demifacet	D ₇	O
Capitulum	D ₈	O
Neck	D ₉	O



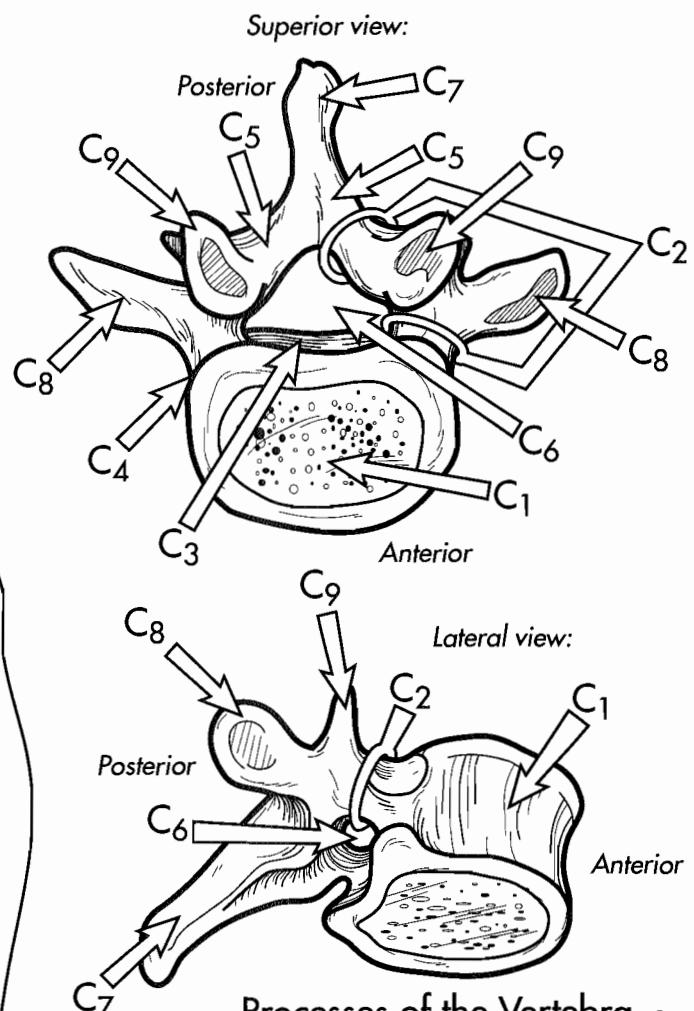
Tuber	D ₁₀	O
Costal cartilages	E	O
Vertebrae	F	O
Hyoid bone	G	O
Hyoid bone body	G ₁	O
Greater horns	G ₂	O
Lesser horns	G ₃	O



THE VERTEBRAL COLUMN



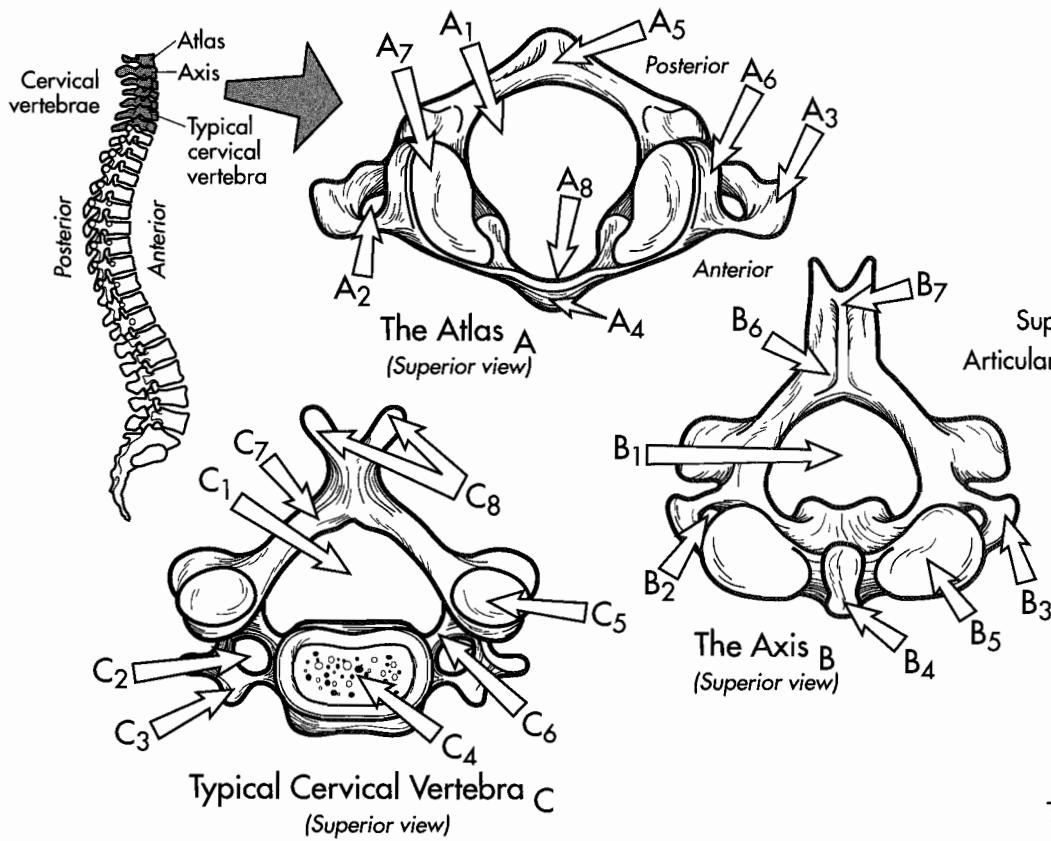
Five divisions	A	<input type="radio"/>
Cervical vertebrae	A ₁	<input type="radio"/>
Thoracic vertebrae	A ₂	<input type="radio"/>
Lumbar division	A ₃	<input type="radio"/>



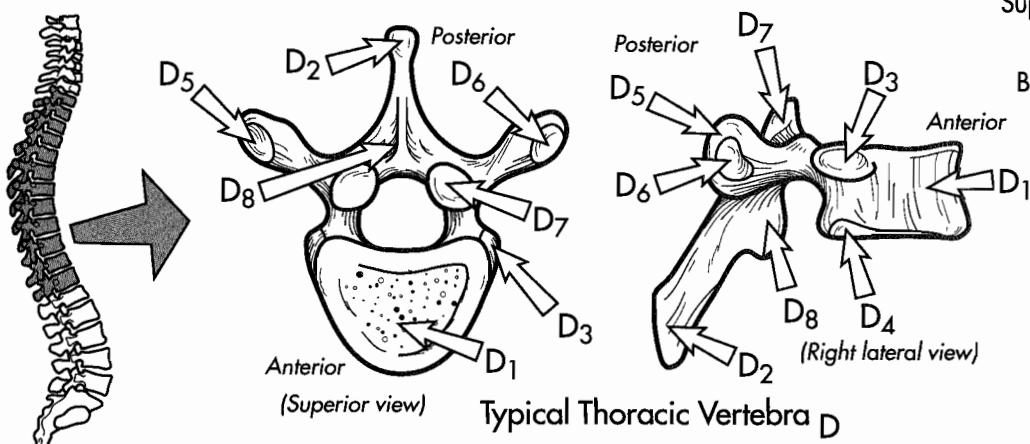
Processes of the Vertebra C

Sacral division	A ₄	<input type="radio"/>
Coccygeal division	A ₅	<input type="radio"/>
Four curvatures	B	<input type="radio"/>
Cervical curvature	B ₁	<input type="radio"/>
Thoracic curvature	B ₂	<input type="radio"/>
Lumbar curvature	B ₃	<input type="radio"/>
Sacral curvature	B ₄	<input type="radio"/>
Processes of the vertebra	C	<input type="radio"/>
Body (centrum)	C ₁	<input type="radio"/>
Vertebral arch	C ₂	<input type="radio"/>
Floor	C ₃	<input type="radio"/>
Pedicles	C ₄	<input type="radio"/>
Laminae	C ₅	<input type="radio"/>
Vertebral foramen	C ₆	<input type="radio"/>
Spinous process	C ₇	<input type="radio"/>
Transverse process	C ₈	<input type="radio"/>
Superior articular process	C ₉	<input type="radio"/>

THE CERVICAL AND THORACIC VERTEBRAE



Atlas	A	<input type="radio"/>
Vertebral foramen	A ₁	<input type="radio"/>
Transverse foramen	A ₂	<input type="radio"/>
Transverse process	A ₃	<input type="radio"/>
Anterior arch	A ₄	<input type="radio"/>
Posterior arch	A ₅	<input type="radio"/>
Lateral mass	A ₆	<input type="radio"/>
Superior articular facet	A ₇	<input type="radio"/>
Articular surface for the dens	A ₈	<input type="radio"/>

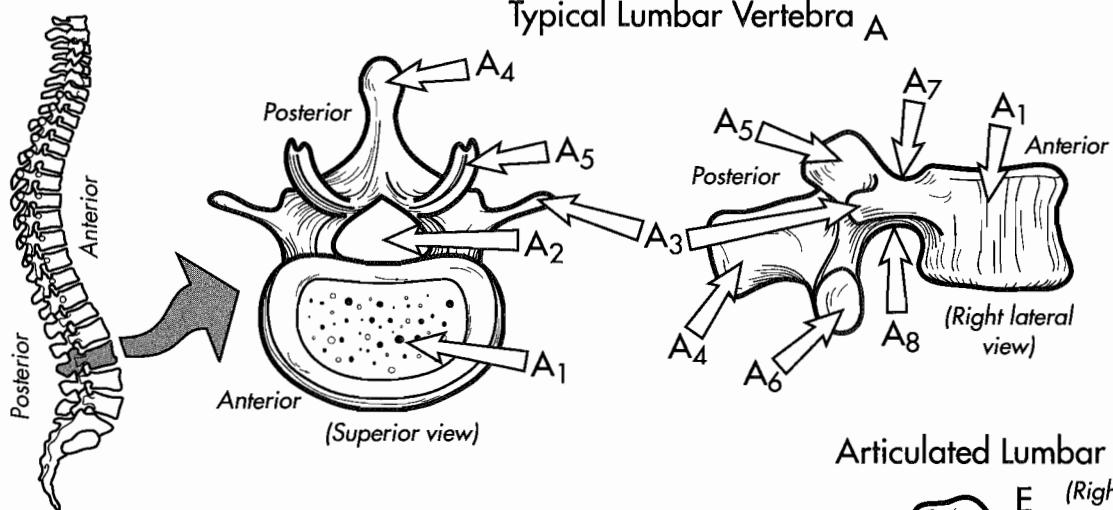


Axis	B	<input type="radio"/>
Vertebral foramen	B ₁	<input type="radio"/>
Transverse foramina	B ₂	<input type="radio"/>
Transverse process	B ₃	<input type="radio"/>
Dens (odontoid process)	B ₄	<input type="radio"/>
Superior articular facet	B ₅	<input type="radio"/>
Lamina	B ₆	<input type="radio"/>
Bifid spinous process	B ₇	<input type="radio"/>

Typical cervical vertebra	C	<input type="radio"/>
Vertebral foramen	C ₁	<input type="radio"/>
Transverse foramina	C ₂	<input type="radio"/>
Transverse process	C ₃	<input type="radio"/>
Body (centrum)	C ₄	<input type="radio"/>
Superior articular facets	C ₅	<input type="radio"/>
Pedicle	C ₆	<input type="radio"/>
Lamina	C ₇	<input type="radio"/>
Spinous process	C ₈	<input type="radio"/>

Typical thoracic vertebra	D	<input type="radio"/>
Body	D ₁	<input type="radio"/>
Spinous process	D ₂	<input type="radio"/>
Superior demifacet	D ₃	<input type="radio"/>
Inferior demifacet	D ₄	<input type="radio"/>
Transverse process	D ₅	<input type="radio"/>
Transverse costal facet	D ₆	<input type="radio"/>
Superior articular facet	D ₇	<input type="radio"/>
Prominent lamina	D ₈	<input type="radio"/>

THE LUMBAR AND SACRAL VERTEBRAE



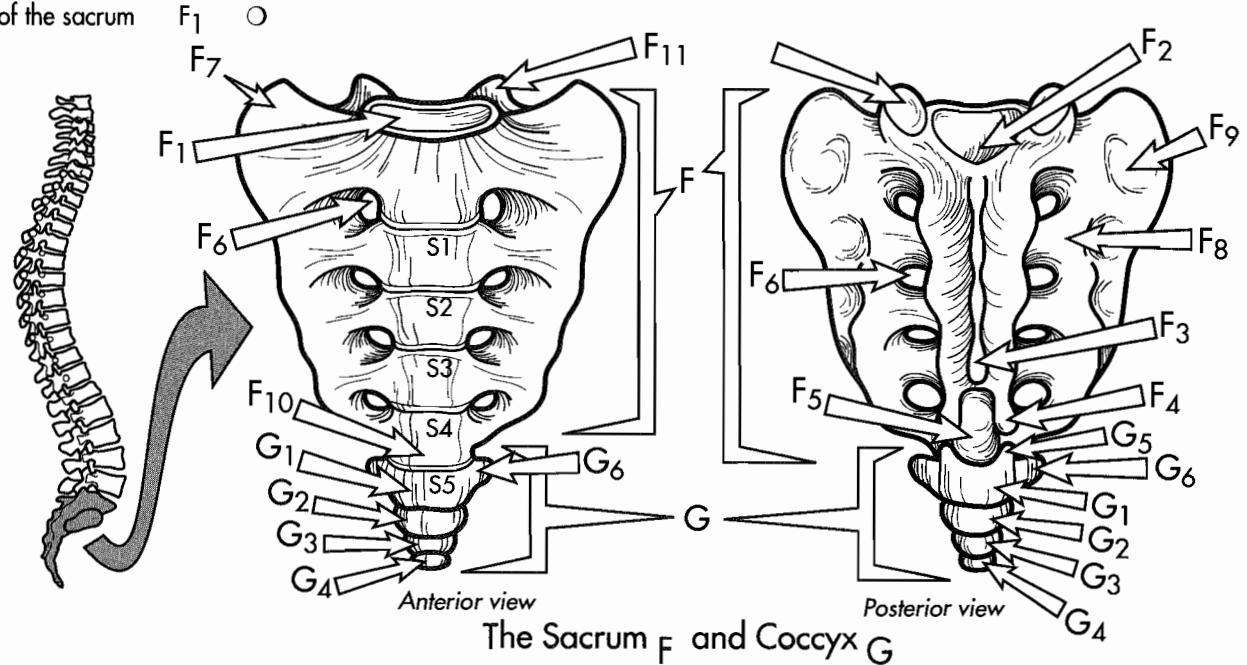
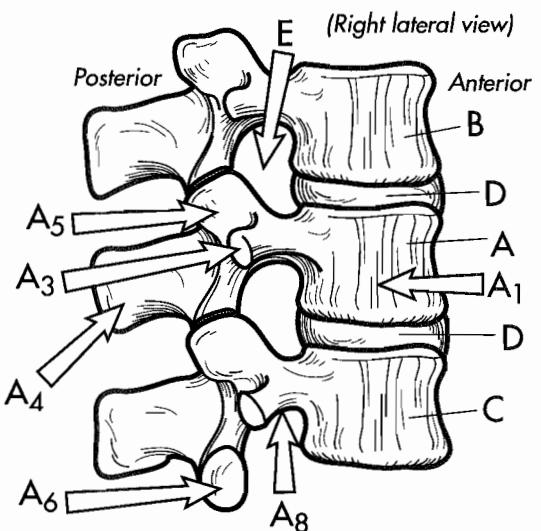
Typical lumbar vertebra

- A Body
- A₁ Vertebral foramen
- A₂ Transverse processes
- A₃ Spinous process
- A₄ Superior articular facets
- A₅ Inferior articular facets
- A₆ Superior vertebral notch
- A₇ Inferior vertebral notch
- A₈ Superior vertebra
- B Inferior vertebra
- C Intervertebral disk
- D Intervertebral foramen
- E Sacrum
- F Base of the sacrum

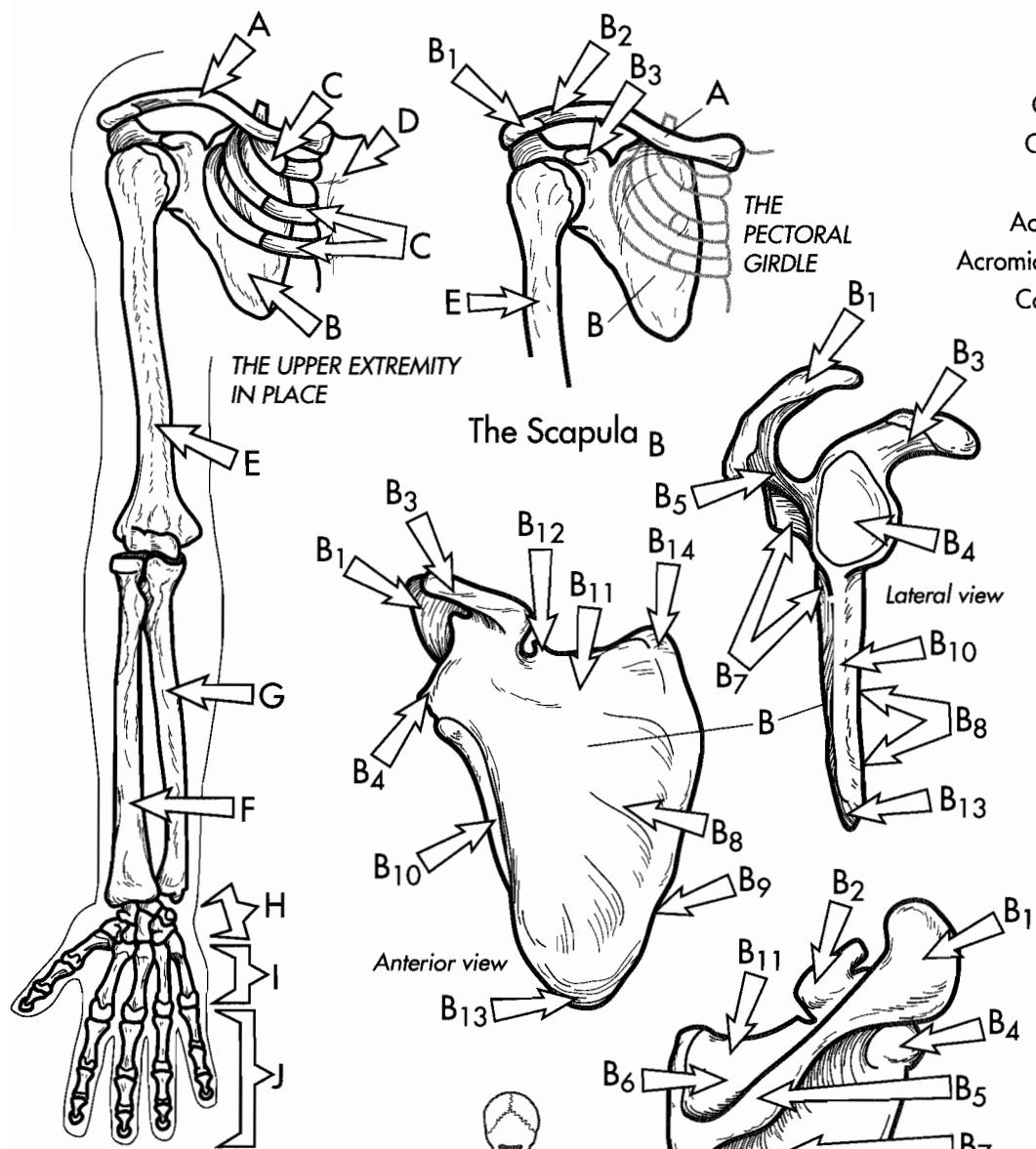
Sacral canal

- F₂ Median sacral crest
- F₃ Sacral cornua
- F₄ Sacral hiatus
- F₅ Sacral foramen
- F₆ Ala
- F₇ Lateral sacral crest
- F₈ Sacral tuberosity
- F₉ Apex
- F₁₀ Articular processes and facets
- F₁₁ Coccyx
- G Coccygeal vertebrae
- G₁₋₄ Coccygeal cornua
- G₅ Transverse processes
- G₆

Articulated Lumbar Vertebrae



THE UPPER EXTREMITY/THE PECTORAL GIRDLE



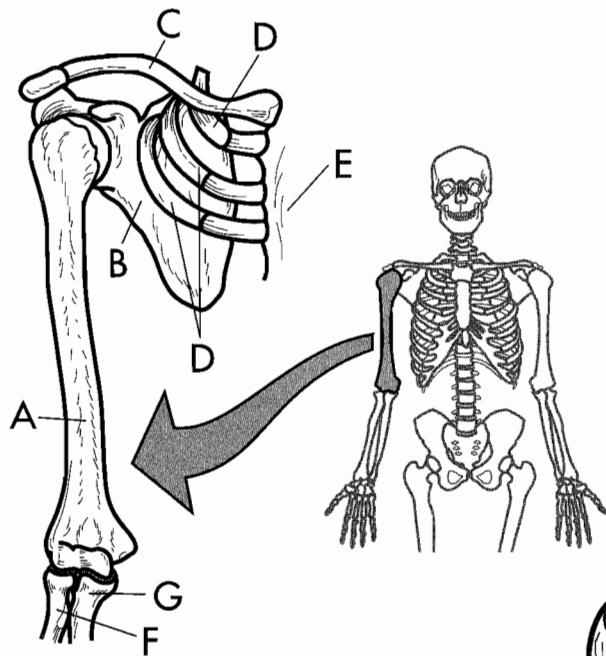
Clavicle	A	<input type="radio"/>
Acromial end	A ₁	<input type="radio"/>
Sternal end	A ₂	<input type="radio"/>
Conoid tubercle	A ₃	<input type="radio"/>
Costal tuberosity	A ₄	<input type="radio"/>
Scapula	B	<input type="radio"/>
Acromion process	B ₁	<input type="radio"/>
Acromioclavicular joint	B ₂	<input type="radio"/>
Coracoid process	B ₃	<input type="radio"/>

Scapular notch	B ₁₂	<input type="radio"/>
Inferior angle	B ₁₃	<input type="radio"/>
Superior angle	B ₁₄	<input type="radio"/>
Ribs	C	<input type="radio"/>
Sternum	D	<input type="radio"/>
Humerus	E	<input type="radio"/>
Radius	F	<input type="radio"/>
Ulna	G	<input type="radio"/>
Carpal bones	H	<input type="radio"/>
Metacarpals	I	<input type="radio"/>
Phalanges	J	<input type="radio"/>

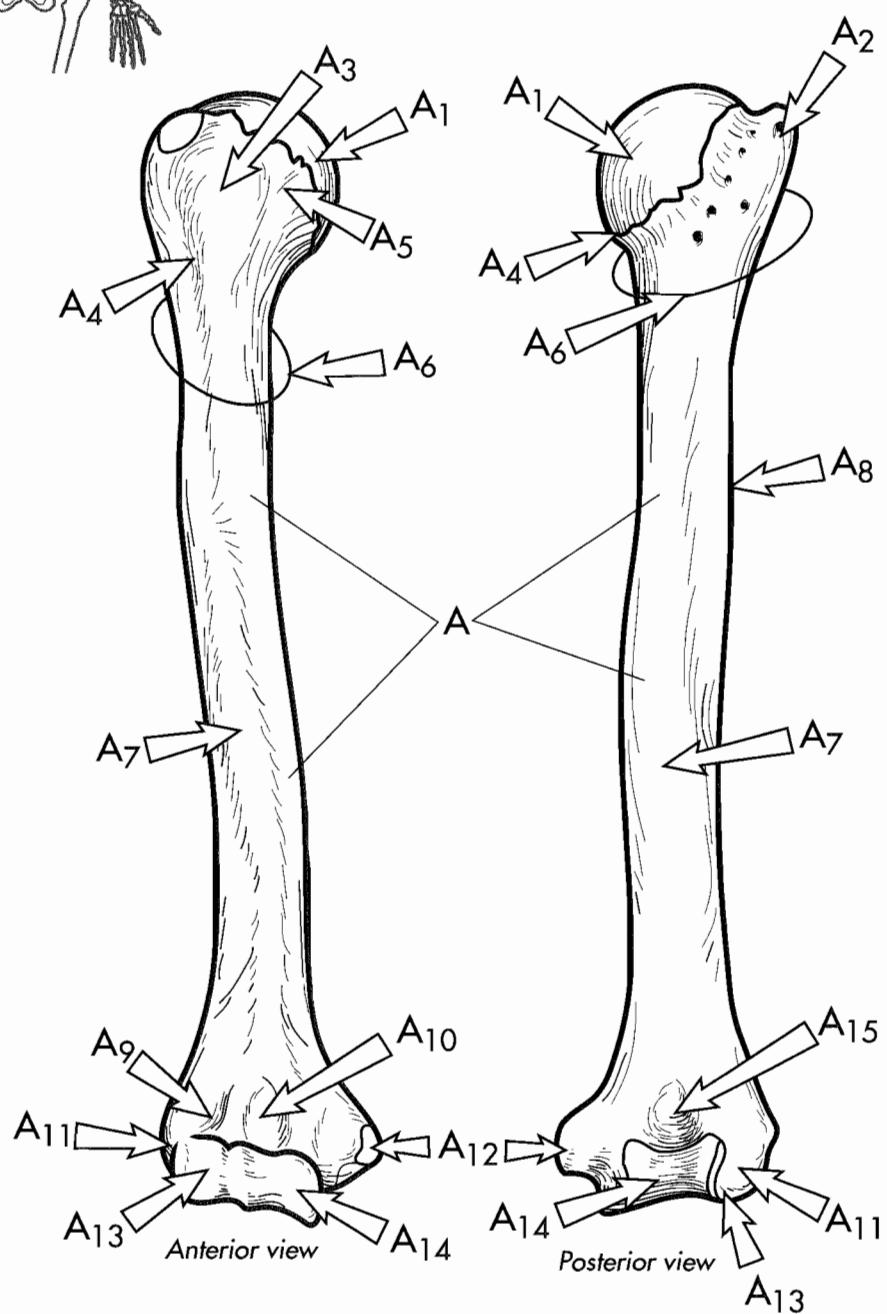
Labels for the scapula and clavicle:

- Glenoid fossa B₄
- Spine of the scapula B₅
- Supraspinous fossa B₆
- Infraspinous fossa B₇
- Subscapular fossa B₈
- Medial border B₉
- Lateral (axillary) border B₁₀
- Superior border B₁₁

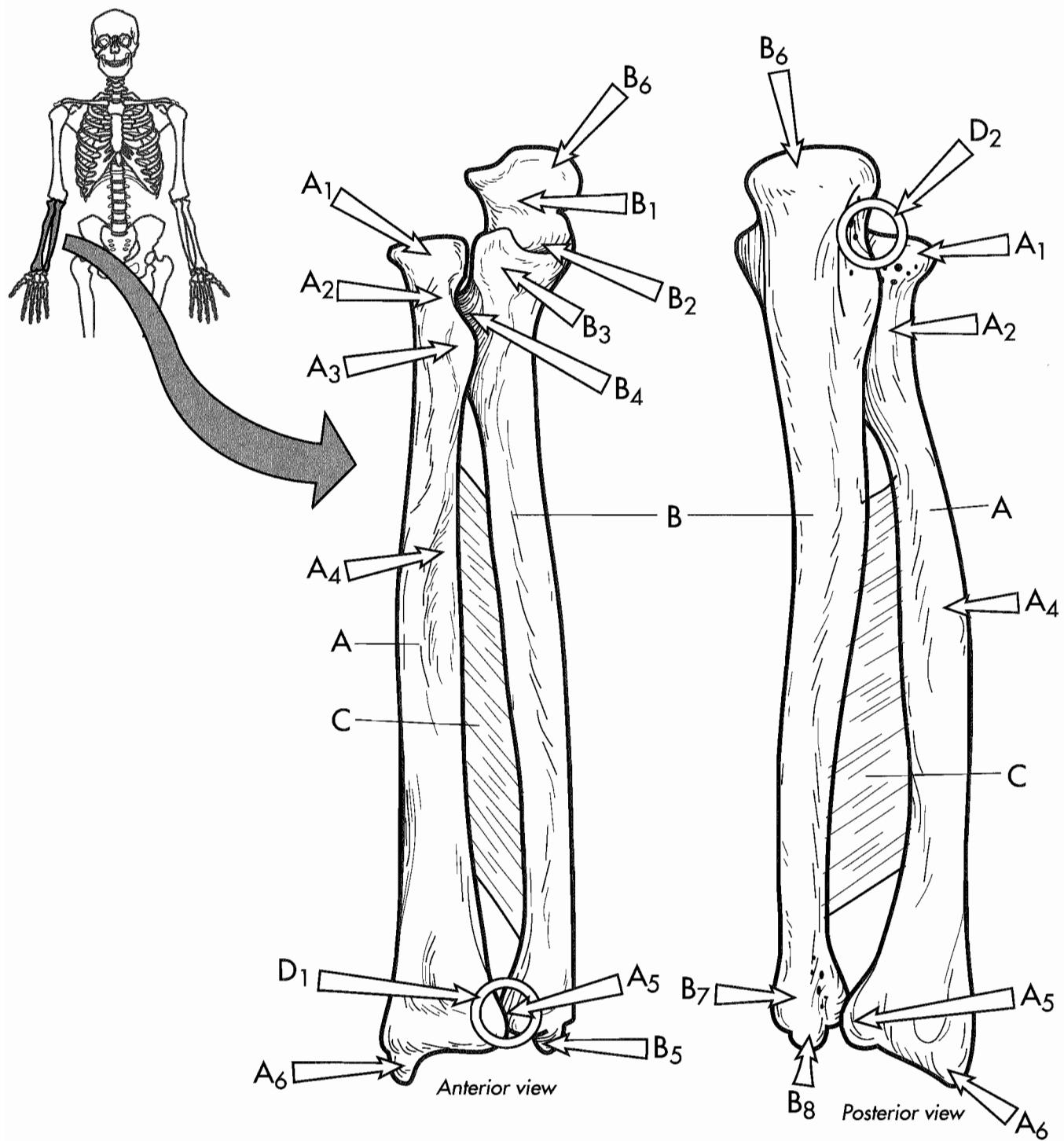
THE UPPER EXTREMITY/THE HUMERUS



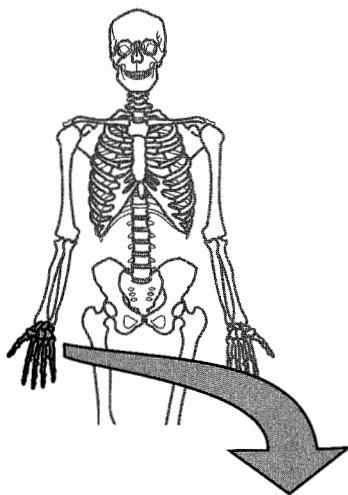
Humerus	A	<input type="radio"/>
Head	A ₁	<input type="radio"/>
Greater tubercle	A ₂	<input type="radio"/>
Lesser tubercle	A ₃	<input type="radio"/>
Intertubercular groove	A ₄	<input type="radio"/>
Anatomical neck	A ₅	<input type="radio"/>
Surgical neck	A ₆	<input type="radio"/>
Shaft of the humerus	A ₇	<input type="radio"/>
Deltoid tuberosity	A ₈	<input type="radio"/>
Radial fossa	A ₉	<input type="radio"/>
Coronoid fossa	A ₁₀	<input type="radio"/>
Lateral epicondyle	A ₁₁	<input type="radio"/>
Medial epicondyle	A ₁₂	<input type="radio"/>
Capitulum	A ₁₃	<input type="radio"/>
Trochlea	A ₁₄	<input type="radio"/>
Olecranon fossa	A ₁₅	<input type="radio"/>
Scapula	B	<input type="radio"/>
Clavicle	C	<input type="radio"/>
Ribs	D	<input type="radio"/>
Sternum	E	<input type="radio"/>
Radius	F	<input type="radio"/>
Ulna	G	<input type="radio"/>



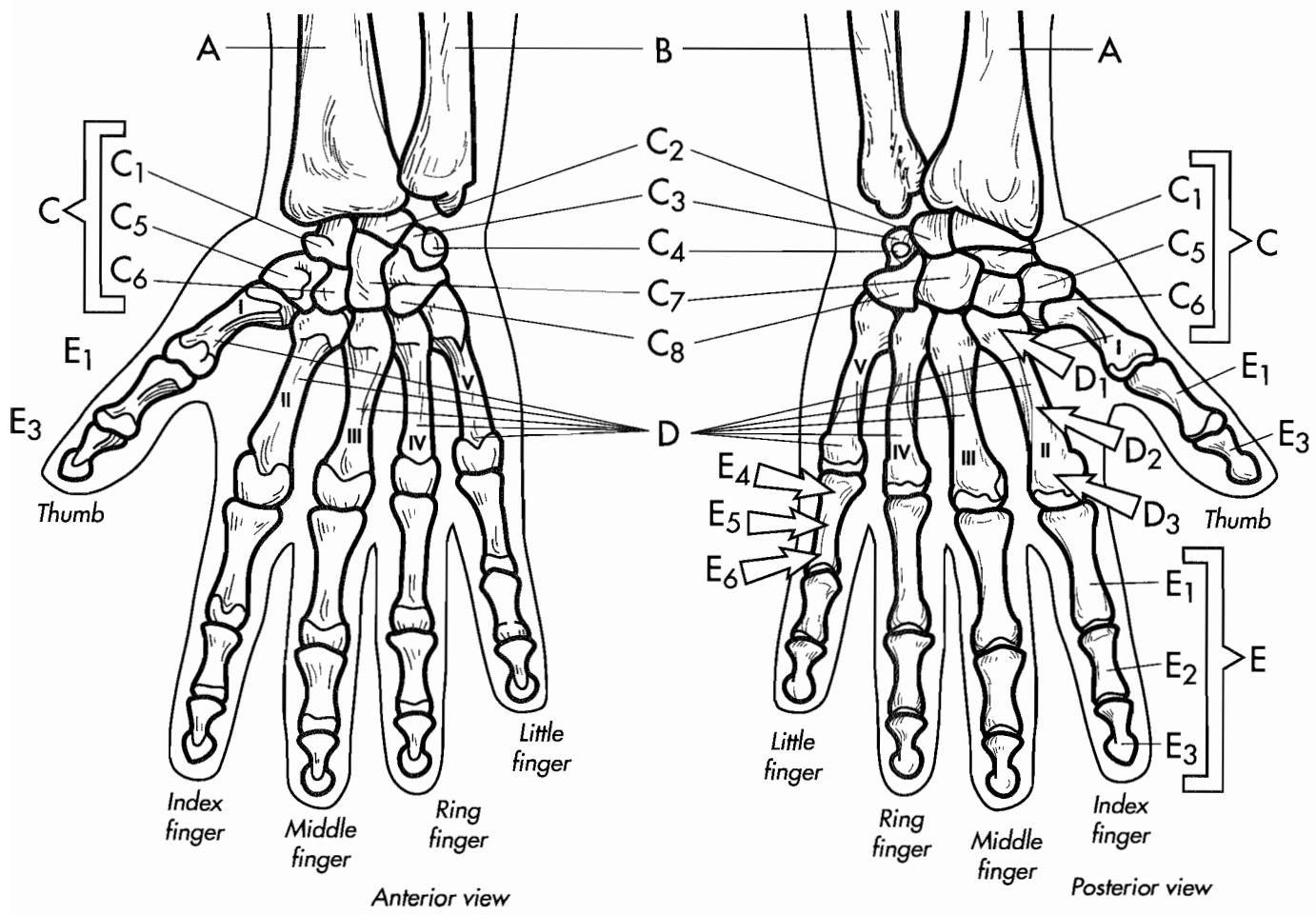
THE UPPER EXTREMITY/THE RADIUS AND URNA



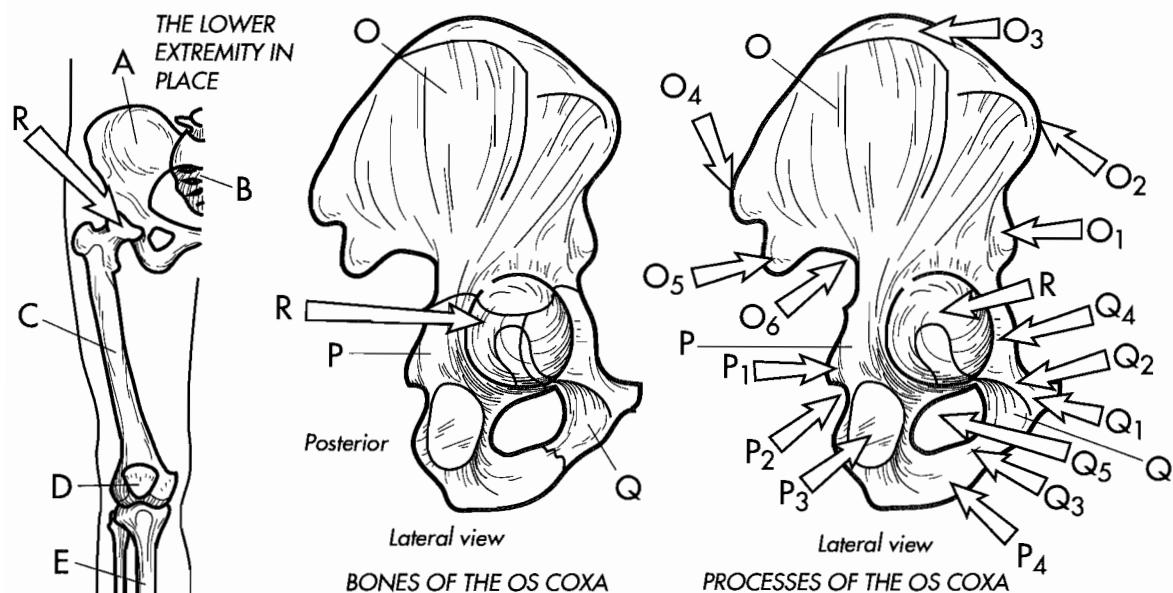
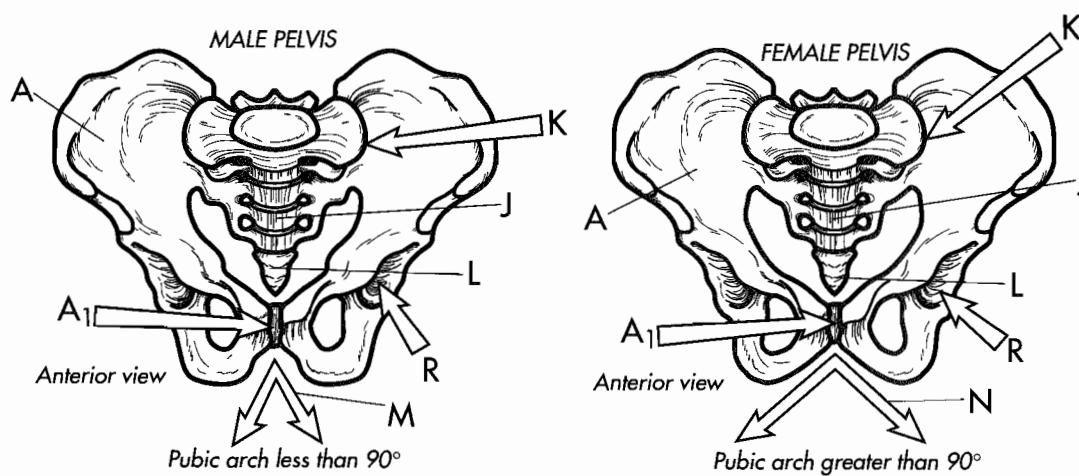
THE UPPER EXTREMITY/THE WRIST AND HAND



Radius	A	○	Base of the metacarpal	D ₁	○
Ulna	B	○	Shaft of the metacarpal	D ₂	○
Carpals	C	○	Head of the metacarpal	D ₃	○
Scaphoid bone	C ₁	○	Phalanges	E	○
Lunate bone	C ₂	○	Proximal phalanx	E ₁	○
Triquetral bone	C ₃	○	Middle phalanx	E ₂	○
Pisiform bone	C ₄	○	Distal phalanx	E ₃	○
Trapezium bone	C ₅	○	Base of the phalanx	E ₄	○
Trapezoid bone	C ₆	○	Shaft of the phalanx	E ₅	○
Capitate bone	C ₇	○	Head of the phalanx	E ₆	○
Hamate bone	C ₈	○			
Metacarpals	D	○			



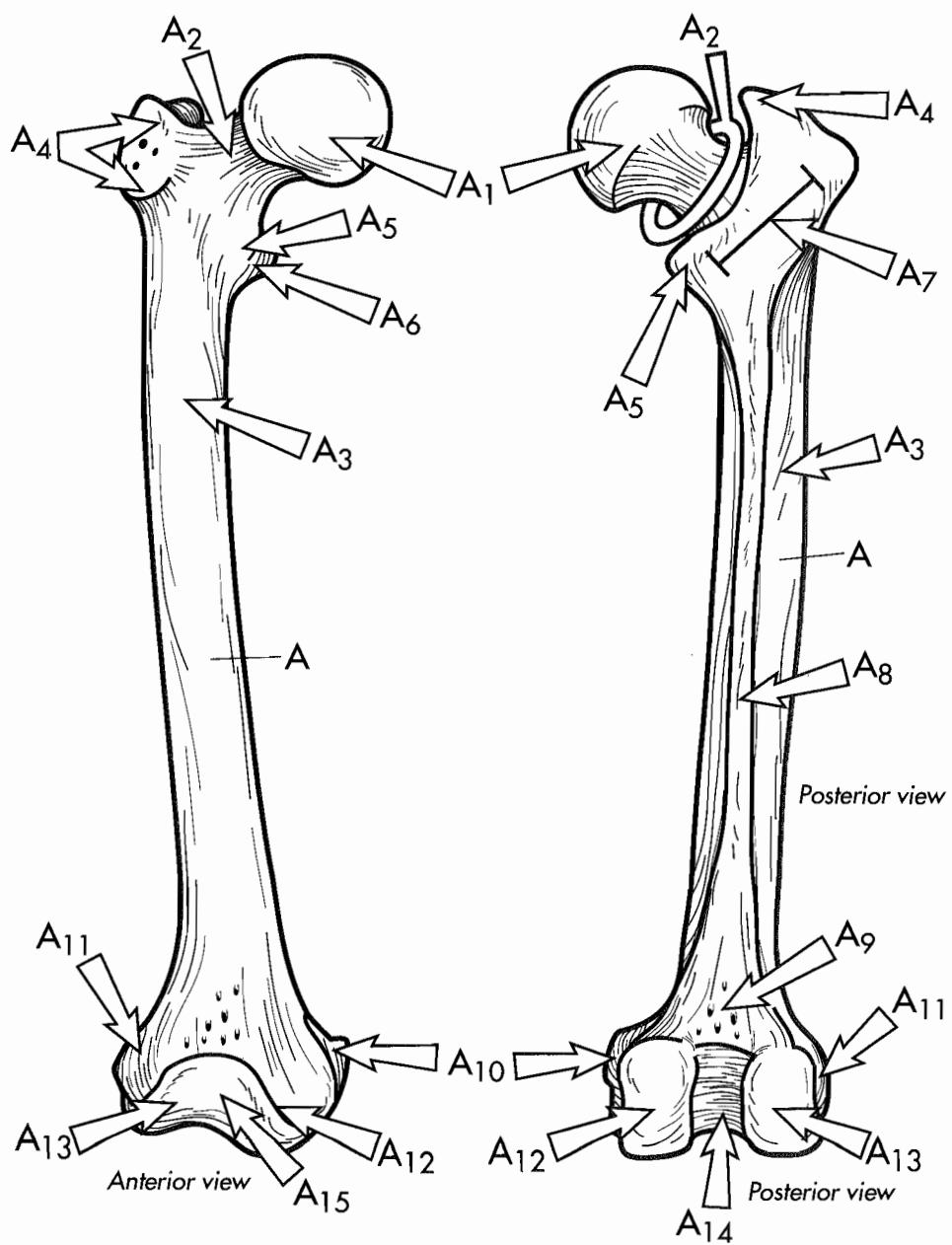
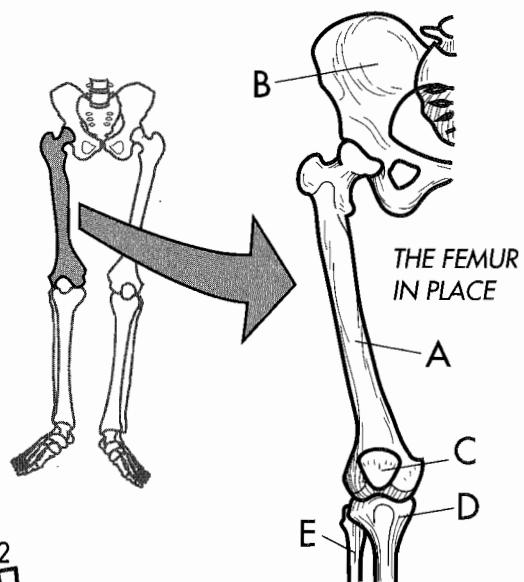
THE LOWER EXTREMITY/ THE PELVIC GIRDLE



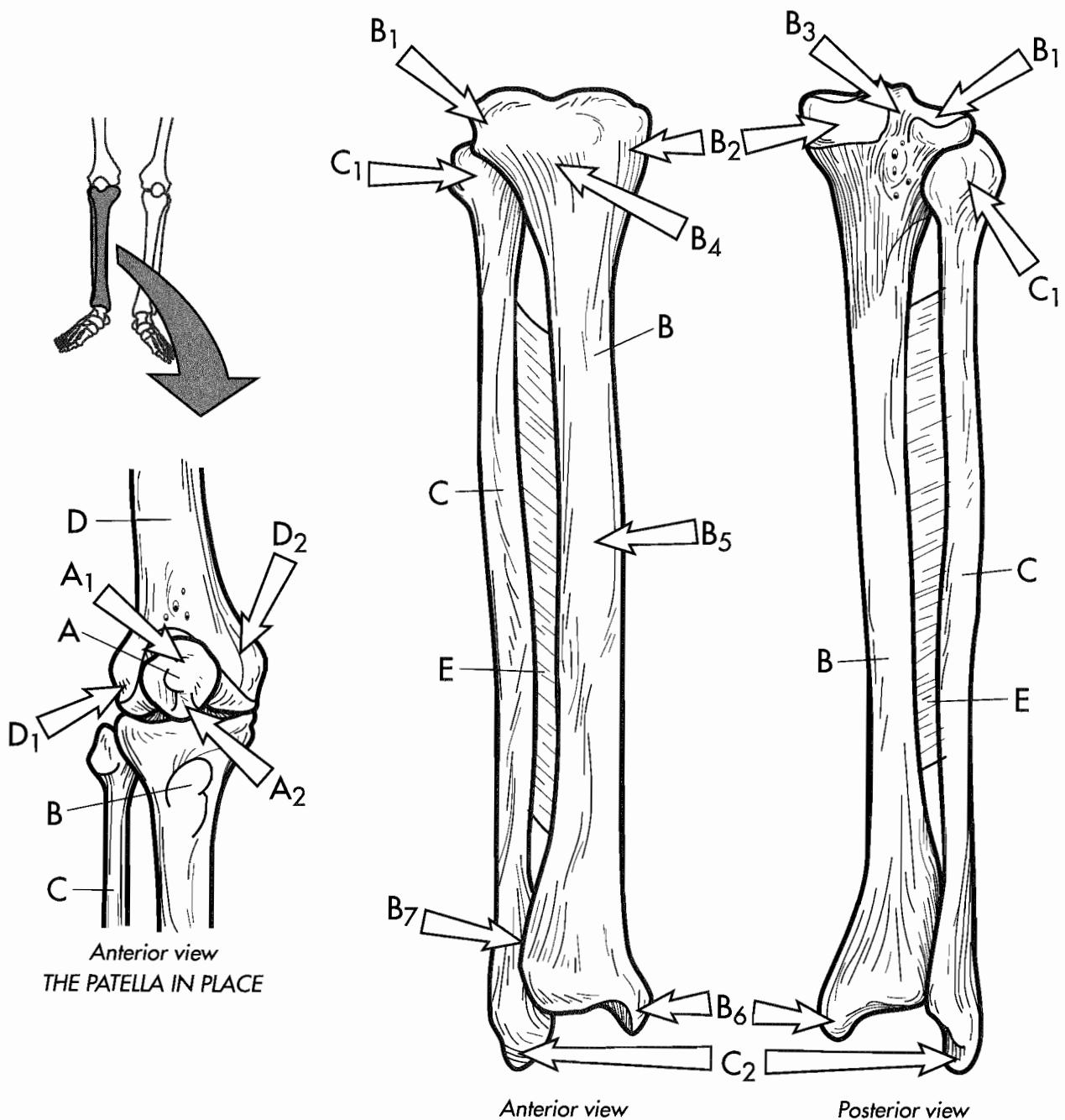
Pelvic bone	A	O	Anterior superior iliac spine	O ₂	O
Pubic symphysis	A ₁	O	Iliac crest	O ₃	O
Sacrum	B	O	Posterior superior iliac spine	O ₄	O
Femur	C	O	Posterior inferior iliac spine	O ₅	O
Patella	D	O	Greater sciatic notch	O ₆	O
Tibia	E	O	Ischium	P	O
Fibula	F	O	Ischial spine	P ₁	O
Tarsals	G	O	Lesser sciatic notch	P ₂	O
Metatarsals	H	O	Ischial tuberosity	P ₃	O
Phalanges	I	O	Ramus of the ischium	P ₄	O
Sacrum	J	O	Pubis	Q	O
Sacroiliac joint	K	O	Pubic tubercle	Q ₁	O
Coccyx	L	O	Superior ramus	Q ₂	O
Male pubic arch	M	O	Inferior ramus	Q ₃	O
Female pubic arch	N	O	Body of the pubis	Q ₄	O
Ilium	O	O	Obturator foramen	Q ₅	O
Anterior inferior iliac spine	O ₁	O	Acetabulum	R	O

THE LOWER EXTREMITY/ THE FEMUR

Femur	A	O	Medial epicondyle	A10	O
Head of femur	A1	O	Lateral epicondyle	A11	O
Neck of femur	A2	O	Medial condyle	A12	O
Shaft of femur	A3	O	Lateral condyle	A13	O
Greater trochanter	A4	O	Intercondylar fossa	A14	O
Lesser trochanter	A5	O	Patellar space surface	A15	O
Intertrochanteric line	A6	O	Pelvic girdle	B	O
Intertrochanteric crest	A7	O	Patella	C	O
Linea aspera	A8	O	Tibia	D	O
Popliteal surface	A9	O	Fibula	E	O



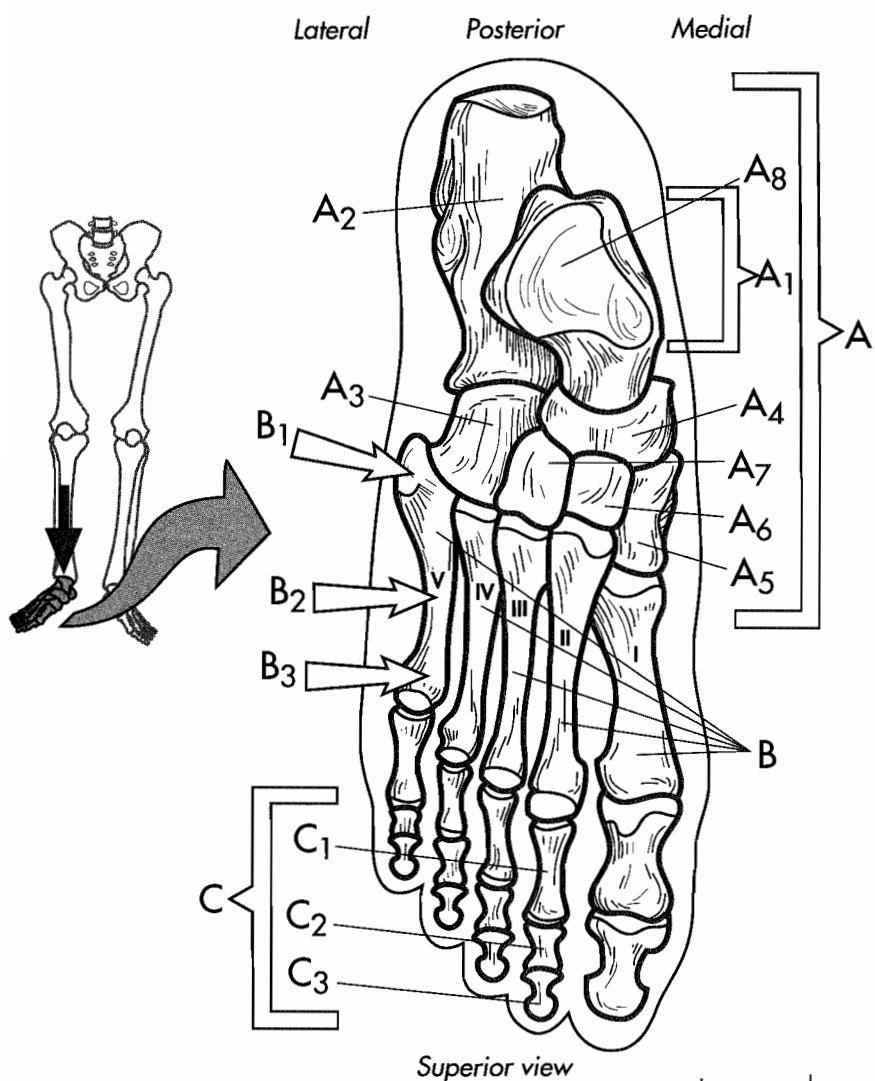
THE LOWER EXTREMITY/THE TIBIA AND FIBULA



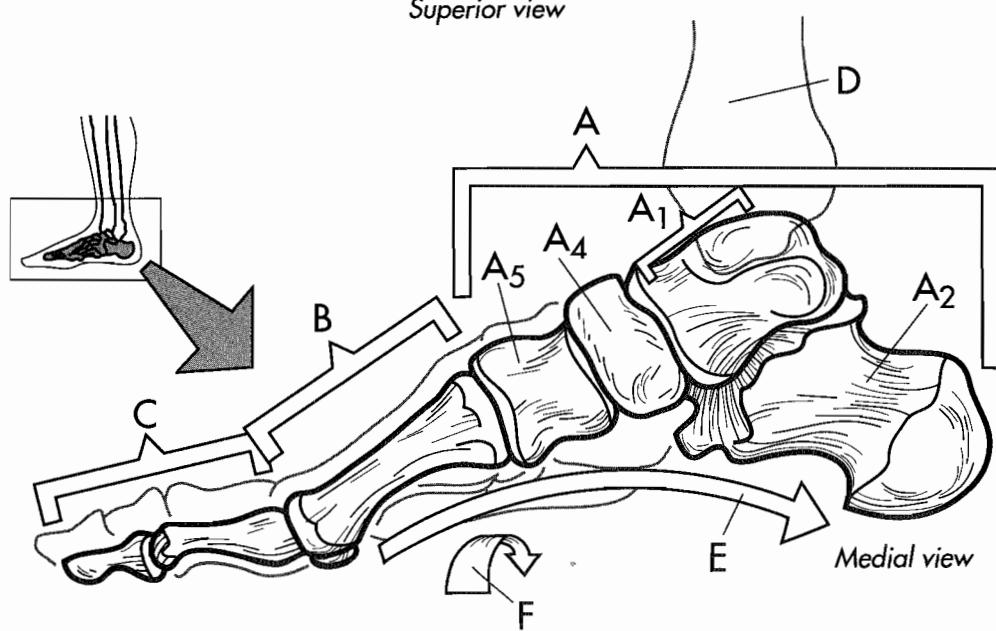
Patella	A	<input type="radio"/>
Base	A ₁	<input type="radio"/>
Apex	A ₂	<input type="radio"/>
Tibia	B	<input type="radio"/>
Lateral condyle of tibia	B ₁	<input type="radio"/>
Medial condyle of tibia	B ₂	<input type="radio"/>
Intercondylar eminence	B ₃	<input type="radio"/>
Tibial tuberosity	B ₄	<input type="radio"/>
Anterior crest	B ₅	<input type="radio"/>
Medial malleolus	B ₆	<input type="radio"/>

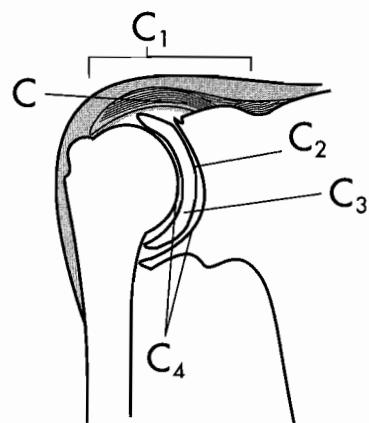
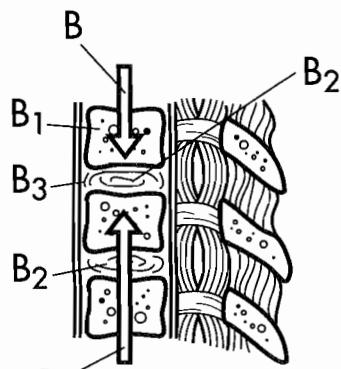
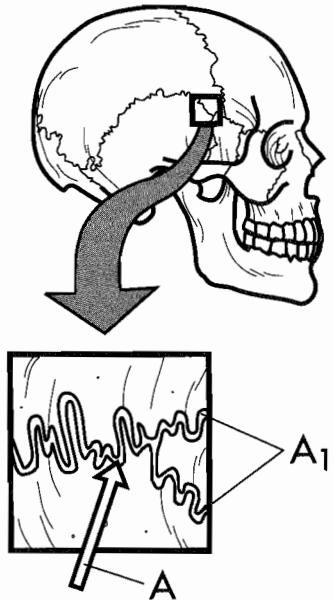
Fibula Notch	B ₇	<input type="radio"/>
Fibula	C	<input type="radio"/>
Head of fibula	C ₁	<input type="radio"/>
Lateral malleolus	C ₂	<input type="radio"/>
Femur	D	<input type="radio"/>
Lateral epicondyle of femur	D ₁	<input type="radio"/>
Medial epicondyle of femur	D ₂	<input type="radio"/>
Interosseous membrane	E	<input type="radio"/>

THE LOWER EXTREMITY/THE ANKLE AND FOOT

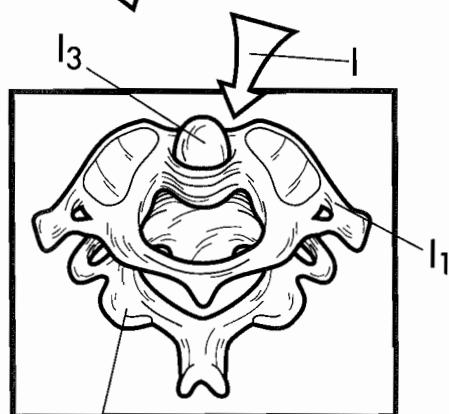
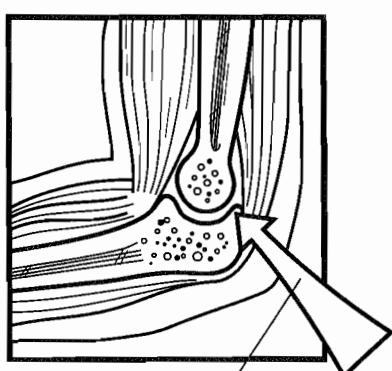
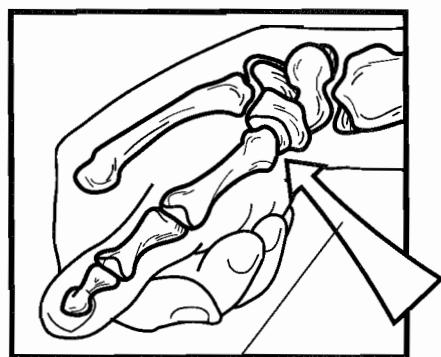
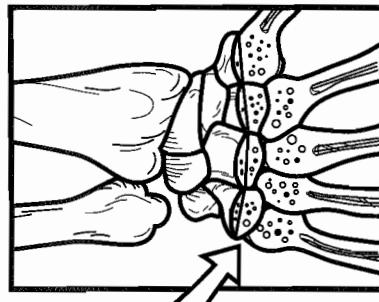
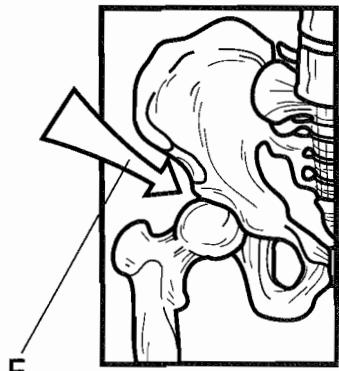
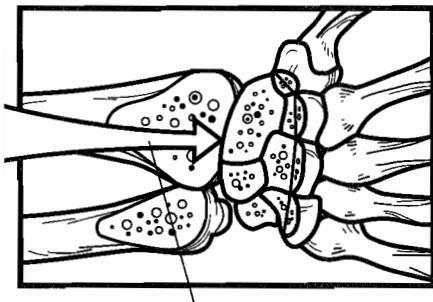


Tarsals	A	<input type="radio"/>
Talus	A ₁	<input type="radio"/>
Calcaneus	A ₂	<input type="radio"/>
Cuboid	A ₃	<input type="radio"/>
Navicular	A ₄	<input type="radio"/>
Medial cuneiform	A ₅	<input type="radio"/>
Intermediate cuneiform	A ₆	<input type="radio"/>
Lateral cuneiform	A ₇	<input type="radio"/>
Trochlea	A ₈	<input type="radio"/>
Metatarsals	B	<input type="radio"/>
Base	B ₁	<input type="radio"/>
Shaft	B ₂	<input type="radio"/>
Head	B ₃	<input type="radio"/>
Phalanges	C	<input type="radio"/>
Proximal phalanges	C ₁	<input type="radio"/>
Middle phalanges	C ₂	<input type="radio"/>
Distal phalanges	C ₃	<input type="radio"/>
Tibia	D	<input type="radio"/>
Longitudinal arch	E	<input type="radio"/>
Transverse arch	F	<input type="radio"/>





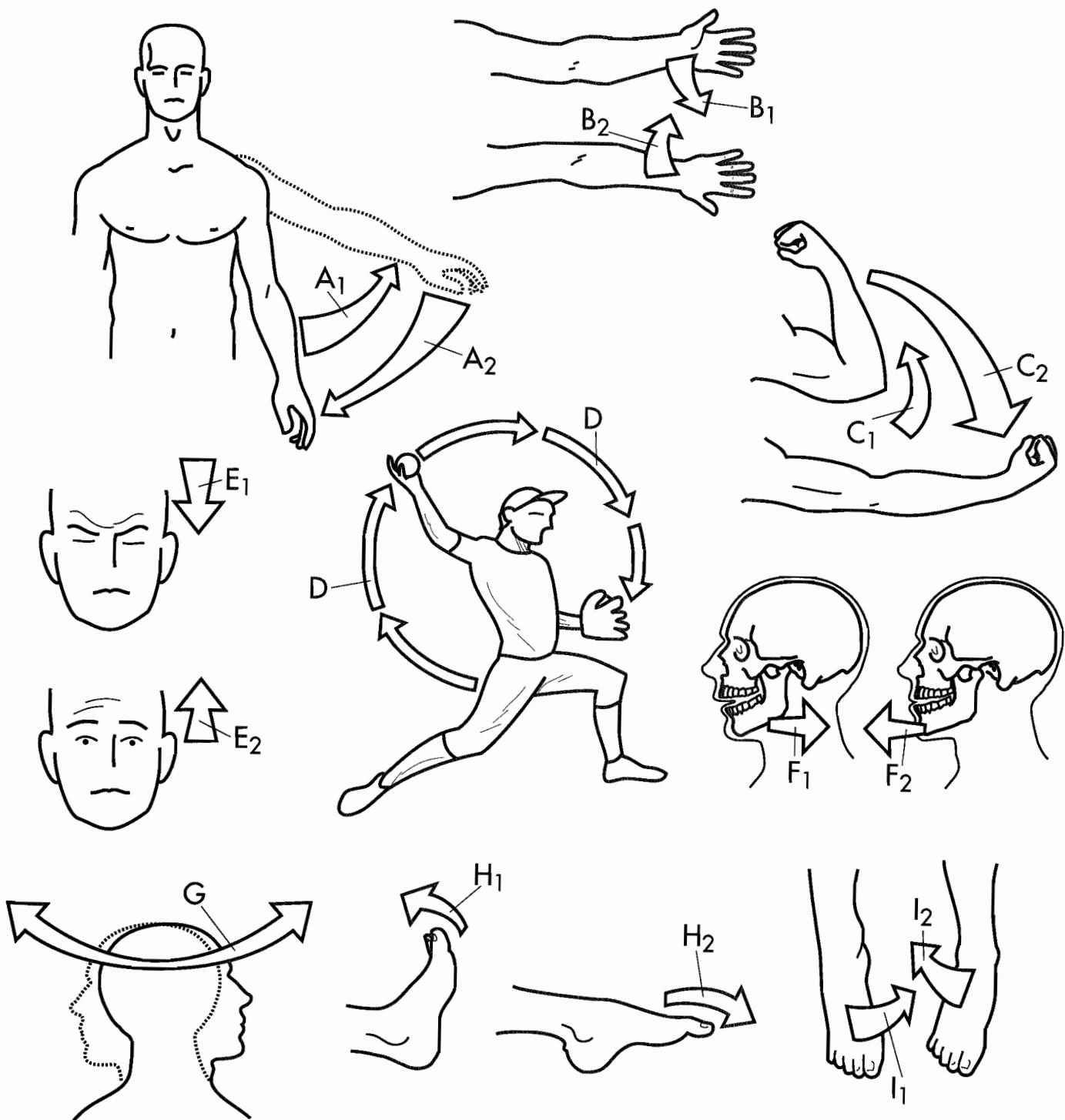
TYPES OF DIARTHROSES



- Synarthrosis A
 Fibrocartilage A₁
 Amphiarthrosis B
 Vertebrae B₁
 Invertebral disk B₂
 Fibrocartilage B₃
 Diarthrosis C

- Fibrous joint capsule C₁
 Synovial membrane C₂
 Synovial fluid C₃
 Articular cartilages C₄
 Condyloid joint D
 Ball-and-socket joint E
 Gliding joint F

- Saddle joint G
 Hinge joint H
 Pivot joint I
 Atlas I₁
 Axis I₂
 Odontoid process I₃



Abduction	A_1	<input type="radio"/>
Adduction	A_2	<input type="radio"/>
Pronation	B_1	<input type="radio"/>
Supination	B_2	<input type="radio"/>
Flexion	C_1	<input type="radio"/>
Extension	C_2	<input type="radio"/>

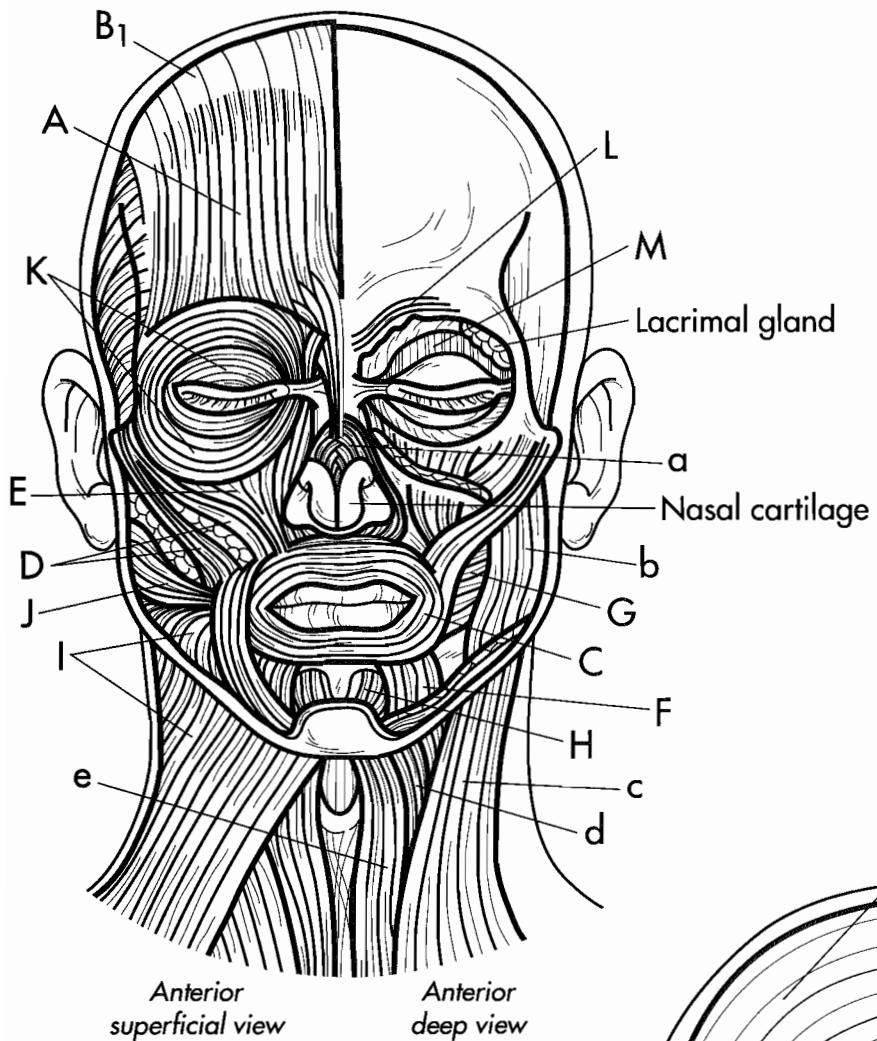
Circumduction	D	<input type="radio"/>
Depression	E_1	<input type="radio"/>
Elevation	E_2	<input type="radio"/>
Retraction	F_1	<input type="radio"/>
Protraction	F_2	<input type="radio"/>
Rotation	G	<input type="radio"/>

Dorsiflexion	H_1	<input type="radio"/>
Plantar flexion	H_2	<input type="radio"/>
Inversion	I_1	<input type="radio"/>
Eversion	I_2	<input type="radio"/>

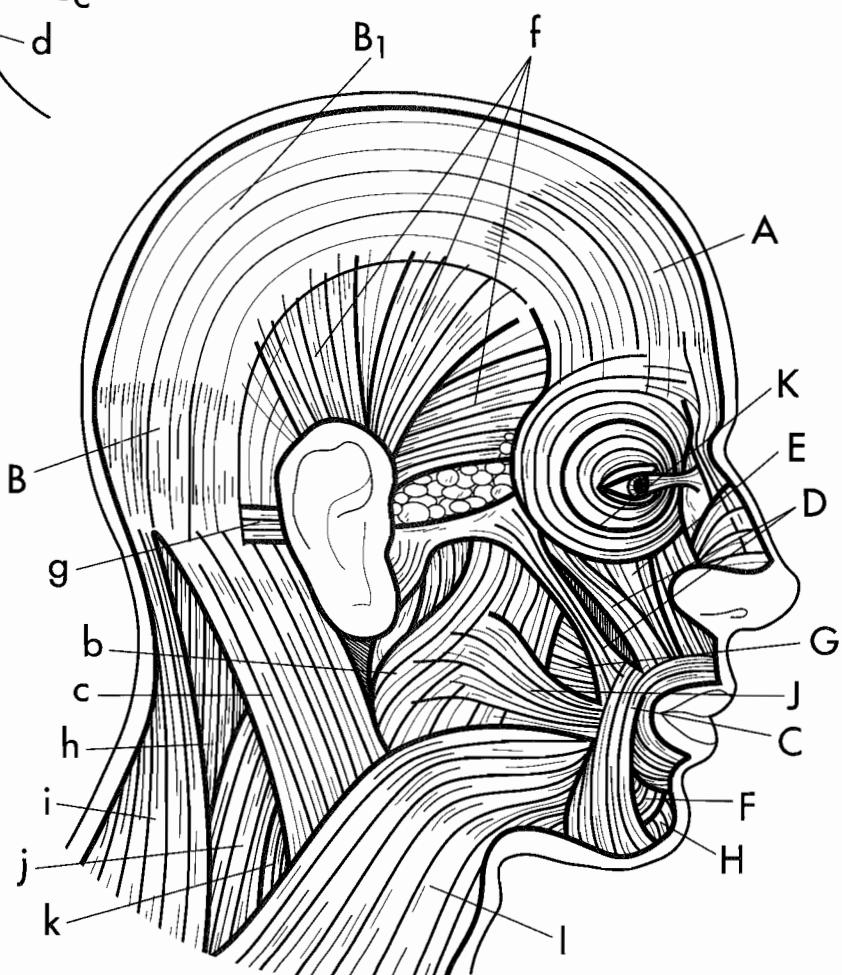
CHAPTER FOUR:

the MUSCULAR
SYSTEM

MUSCLES OF THE FACE



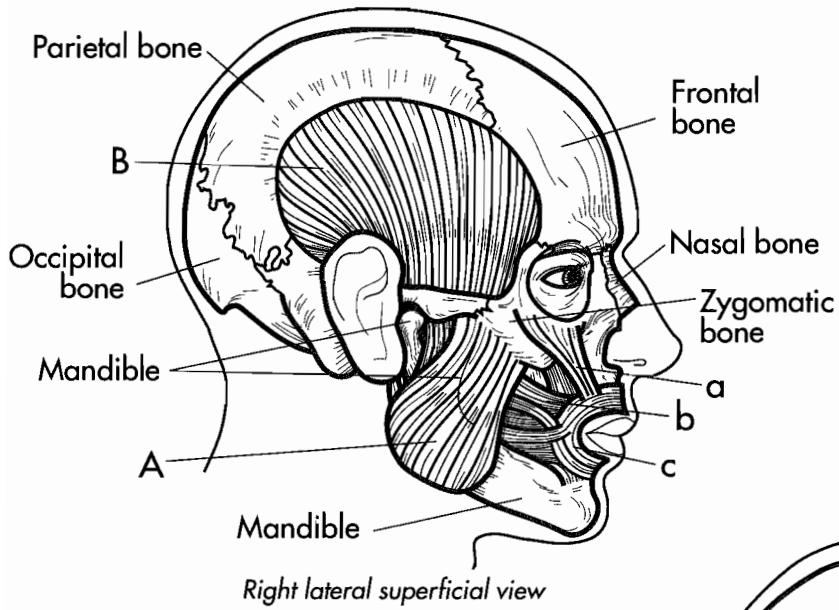
Frontalis	A	<input type="radio"/>
Occipitalis	B	<input type="radio"/>
Galea aponeurotica	B ₁	<input type="radio"/>
Orbicularis oris	C	<input type="radio"/>
Zygomaticus	D	<input type="radio"/>
Levator labii superioris	E	<input type="radio"/>
Depressor labii inferioris	F	<input type="radio"/>
Buccinator	G	<input type="radio"/>
Mentalis	H	<input type="radio"/>
Platysma	I	<input type="radio"/>
Risorius	J	<input type="radio"/>
Obicularis oculi	K	<input type="radio"/>
Corrugator supercilii	L	<input type="radio"/>



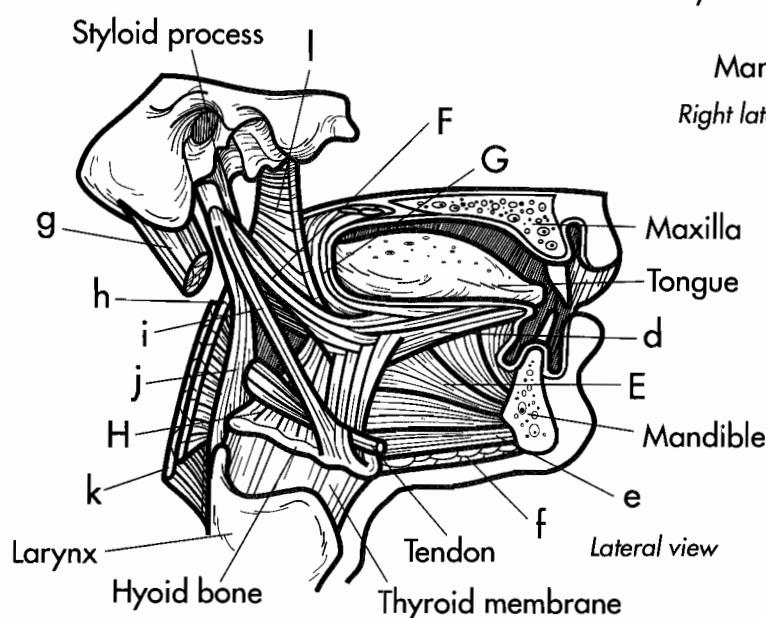
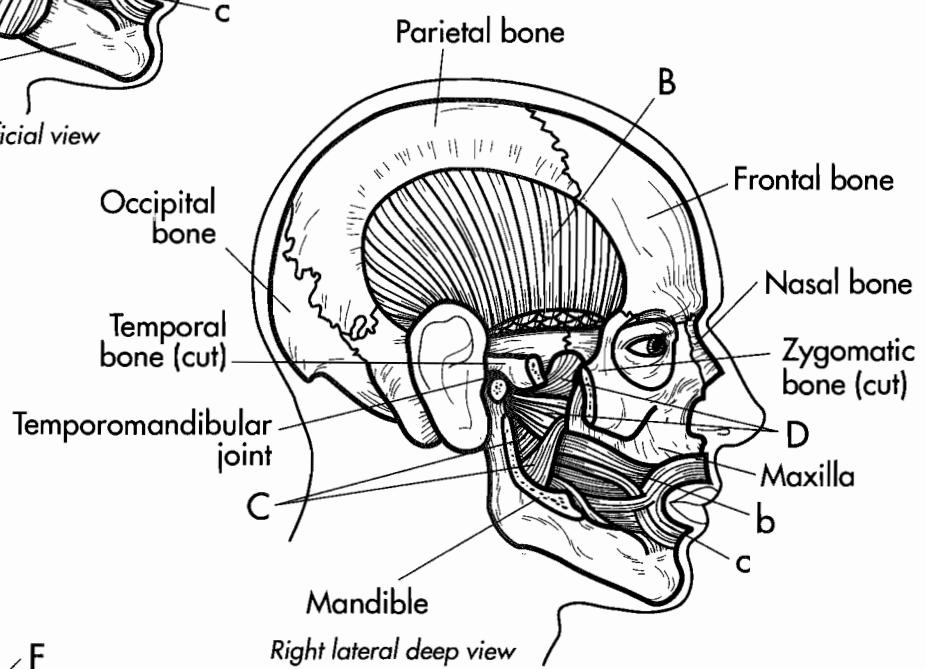
Right lateral superficial view

Levator palpebrae superioris	M	<input type="radio"/>
Nasalis	a	<input type="radio"/>
Masseter	b	<input type="radio"/>
Sternocleidomastoid	c	<input type="radio"/>
Omohyoid	d	<input type="radio"/>
Sternohyoid	e	<input type="radio"/>
Temporalis	f	<input type="radio"/>
Posterior auricular	g	<input type="radio"/>
Splenius capitis	h	<input type="radio"/>
Trapezius	i	<input type="radio"/>
Levator scapulae	j	<input type="radio"/>
Middle scalene	k	<input type="radio"/>

MUSCLES OF THE JAWS AND TONGUE

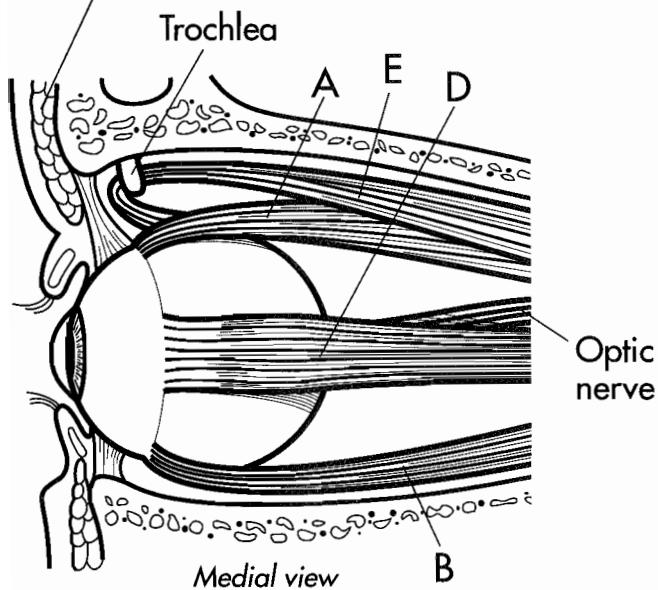
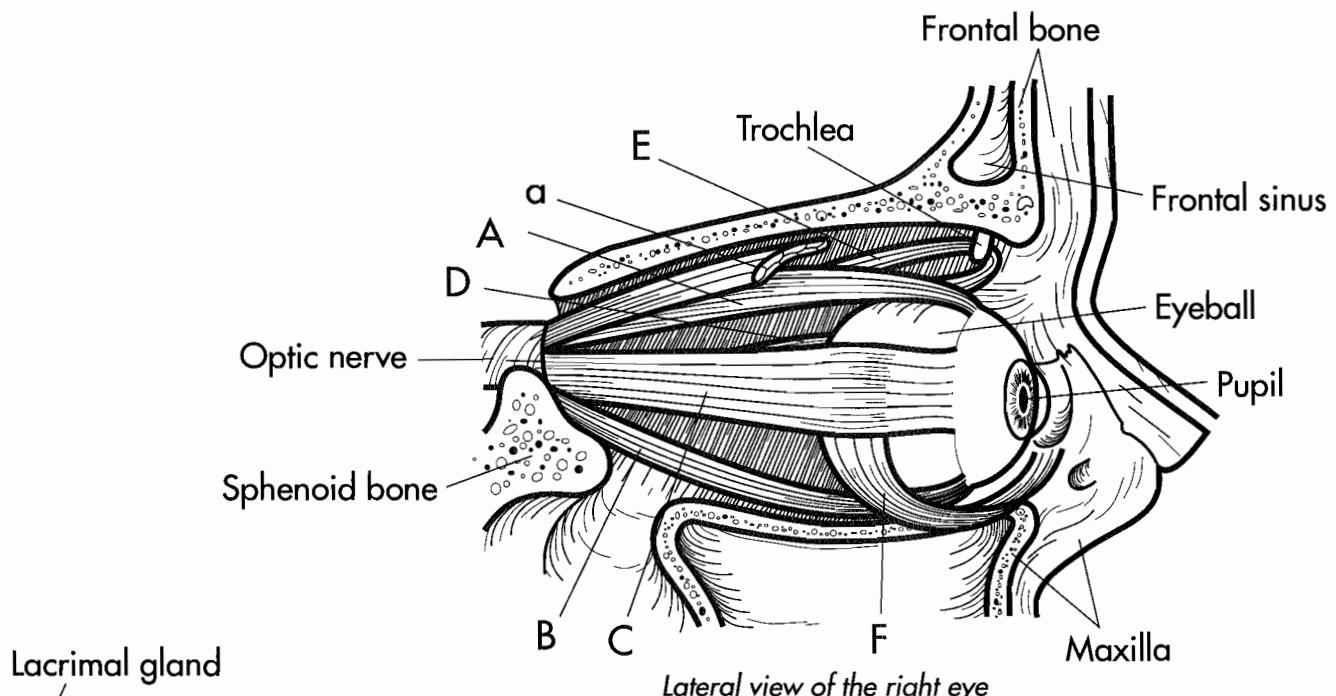


Masseter	A	<input type="radio"/>
Temporalis	B	<input type="radio"/>
Medial pterygoid	C	<input type="radio"/>
Lateral pterygoid	D	<input type="radio"/>
Genioglossus	E	<input type="radio"/>
Styloglossus	F	<input type="radio"/>
Palatoglossus	G	<input type="radio"/>
Hyoglossus	H	<input type="radio"/>
Levator labii superioris	a	<input type="radio"/>

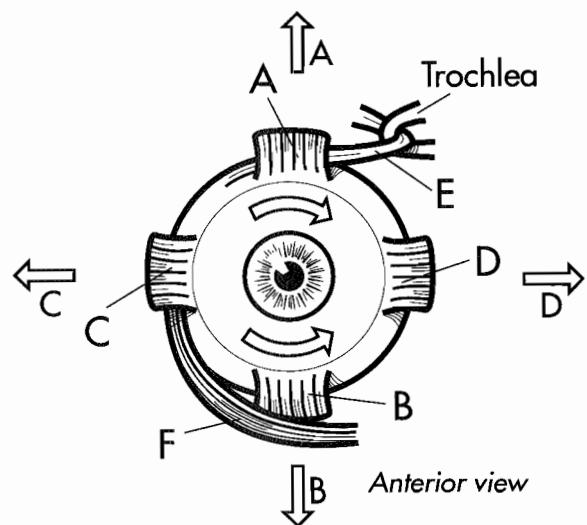


Buccinator	b	<input type="radio"/>
Orbicularis oris	c	<input type="radio"/>
Inferior longitudinal	d	<input type="radio"/>
Geniohyoid	e	<input type="radio"/>
Mylohyoid	f	<input type="radio"/>
Digastric	g	<input type="radio"/>
Middle constrictor	h	<input type="radio"/>
Stylohyoid	i	<input type="radio"/>
Stylopharyngeus	j	<input type="radio"/>
Inferior constrictor	k	<input type="radio"/>
Superior constrictor	l	<input type="radio"/>

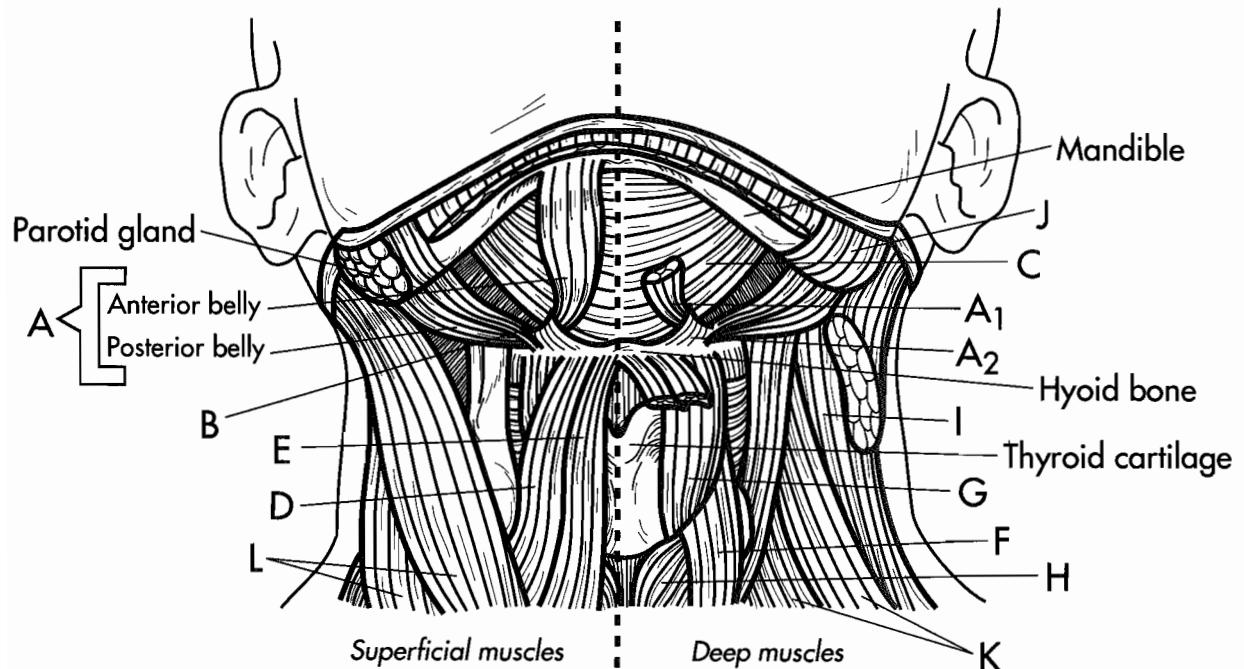
MUSCLES OF THE EYE (EXTRINSIC)



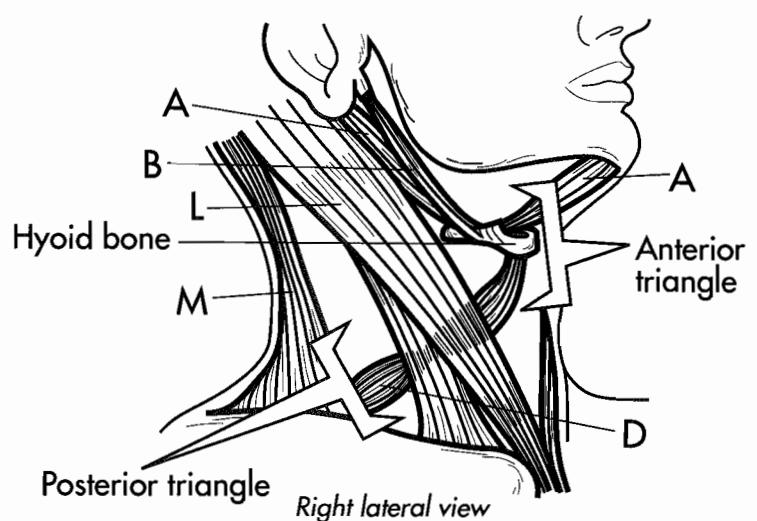
Superior rectus	A	<input type="radio"/>
Inferior rectus	B	<input type="radio"/>
Lateral rectus	C	<input type="radio"/>
Medial rectus	D	<input type="radio"/>
Superior oblique	E	<input type="radio"/>
Inferior oblique	F	<input type="radio"/>
Levator palpebrae superioris	a	<input type="radio"/>



MUSCLES OF THE NECK AND ORAL CAVITY

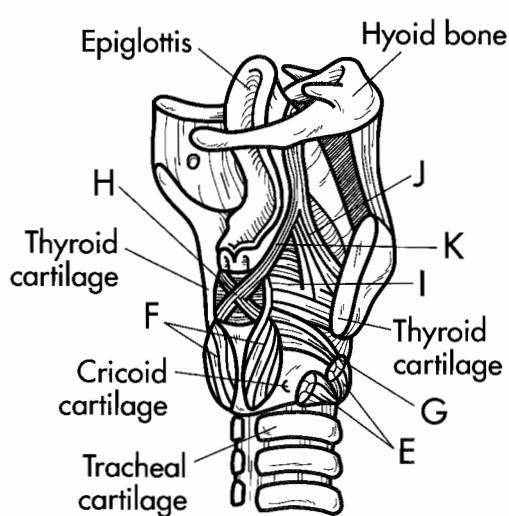
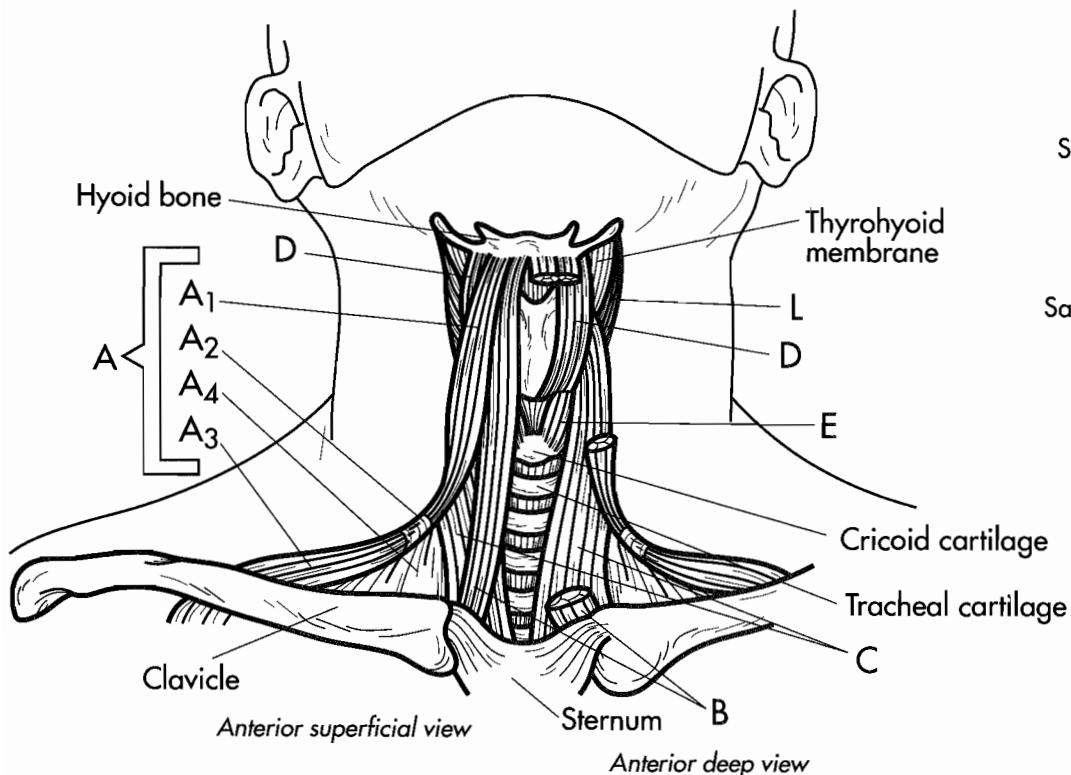


Digastric	A	○
Intermediate tendon	A ₁	○
Fibrous tissue	A ₂	○
Stylohyoid	B	○
Mylohyoid	C	○
Omohyoid	D	○
Sternohyoid	E	○
Sternothyroid	F	○
Thyrohyoid	G	○
Cricothyroid	H	○
Levator scapulae	I	○
Masseter	J	○
Scalene muscles	K	○
Sternocleidomastoid	L	○
Trapezius	M	○

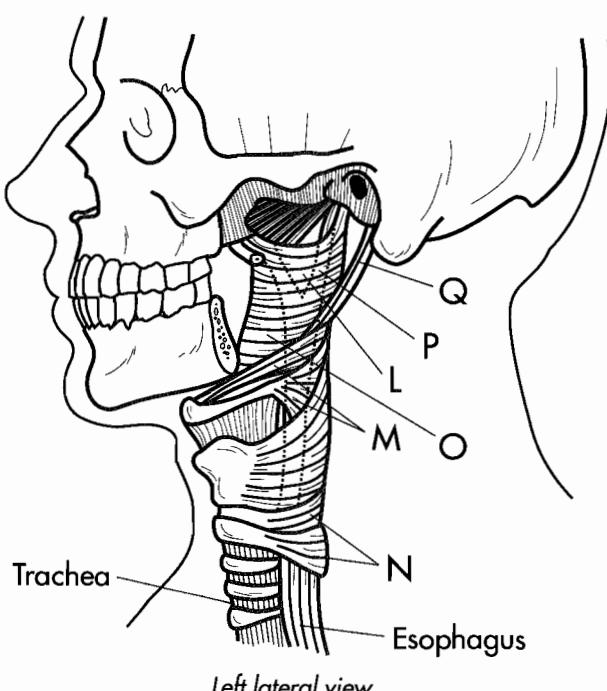


MUSCLES OF THE LARYNX

Omohyoid	A	O	Sternohyoid	B	O
Superior belly	A ₁	O	Sternothyroid	C	O
Intermediate tendon	A ₂	O	Thyrohyoid	D	O
Inferior belly	A ₃	O	Cricohyoid	E	O
Sheath of fascia	A ₄	O	Posterior cricoarytenoid	F	O
			Lateral cricoarytenoid	G	O
			Arytenoid	H	O
			Thyroarytenoid	I	O
			Thyroepiglottis	J	O
			Aryepiglottis	K	O
			Superior constrictor	L	O
			Middle constrictor	M	O
			Inferior constrictor	N	O
			Palatopharyngeus	O	O
			Salpingopharyngeus	P	O
			Stylopharyngeus	Q	O

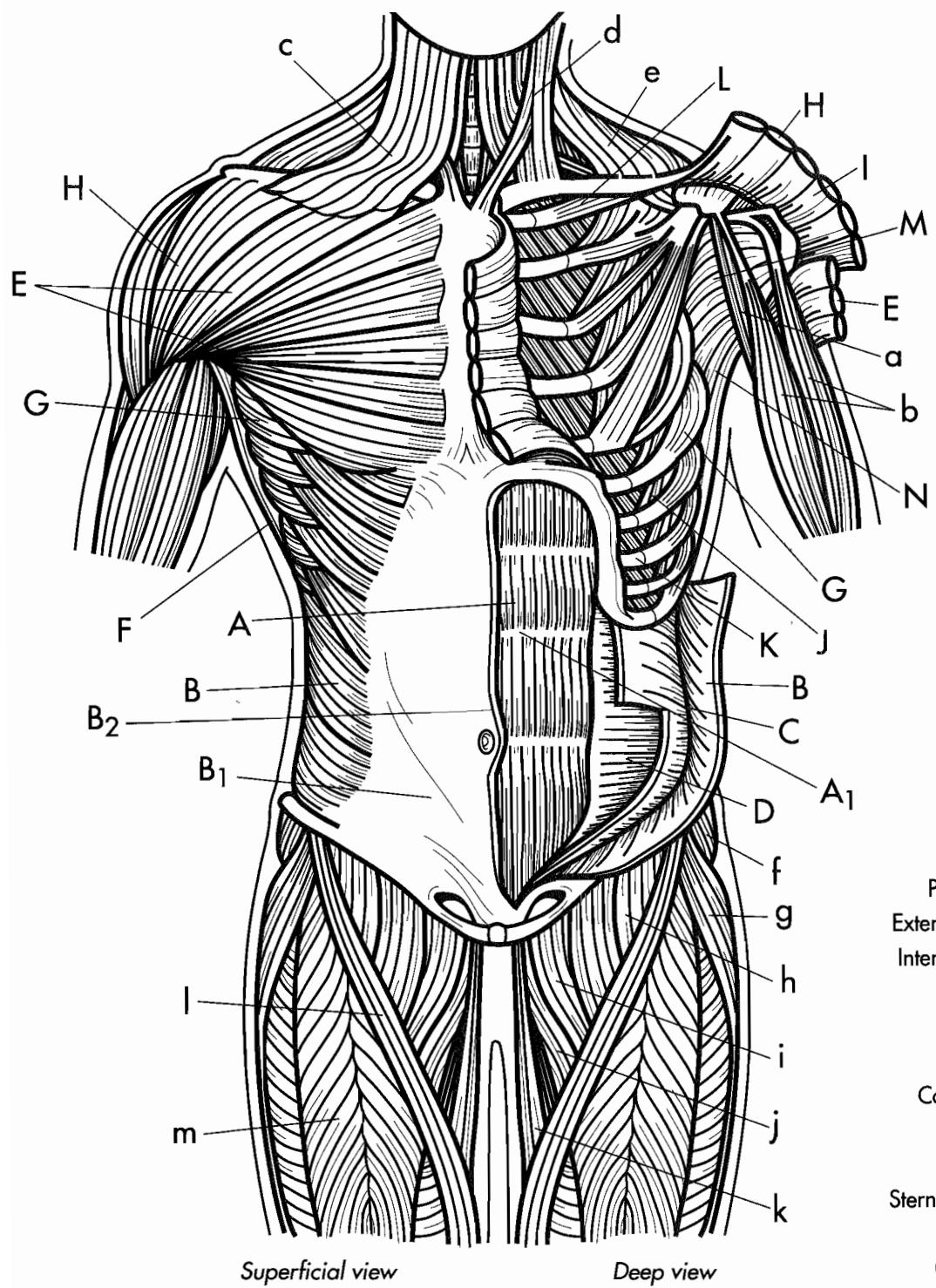


Right posterolateral view



Left lateral view

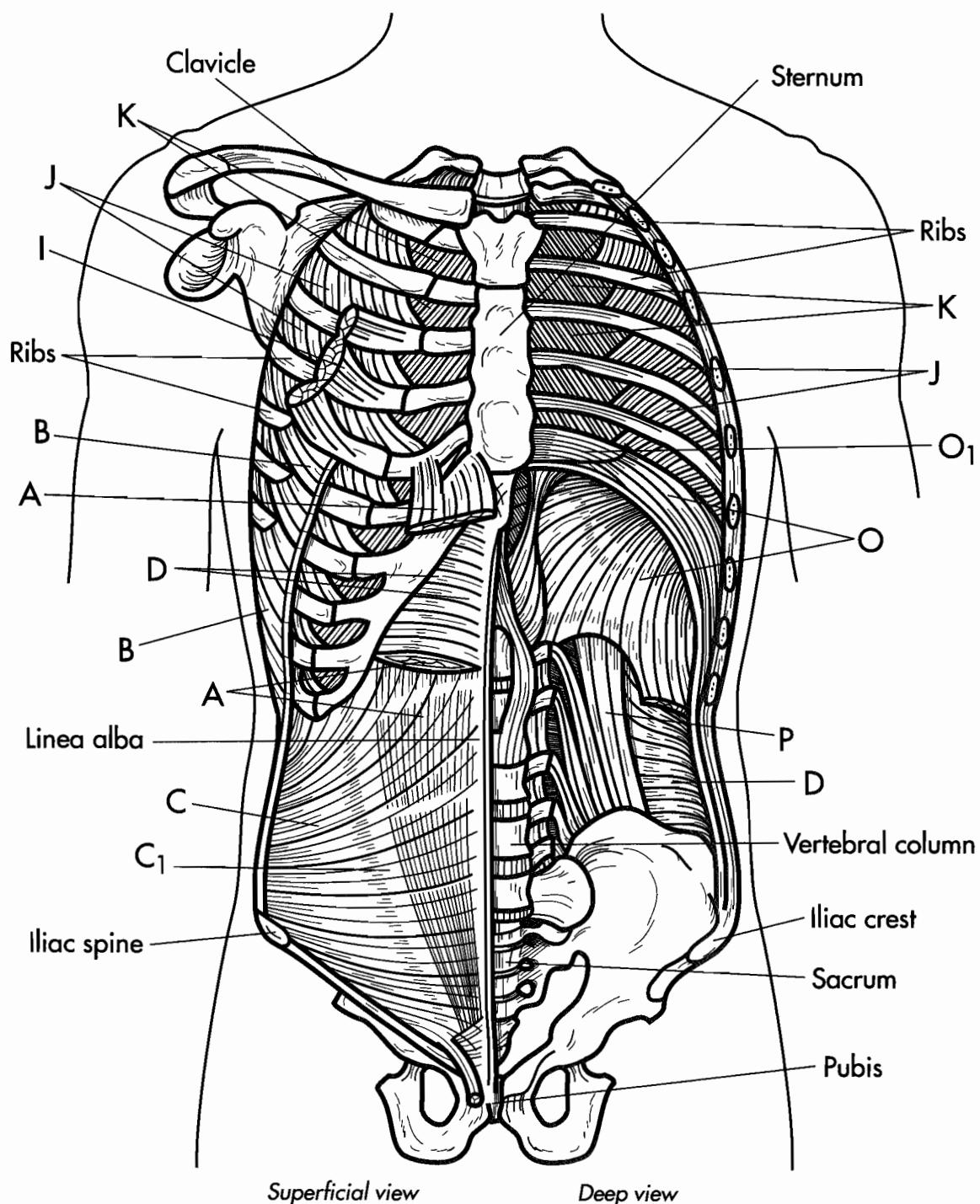
MUSCLES OF THE THORAX AND ABDOMEN (ANTERIOR)



Rectus abdominis	A	<input type="radio"/>	Internal oblique	C	<input type="radio"/>
Intersections of tendon	A ₁	<input type="radio"/>	Transversus abdominis	D	<input type="radio"/>
External oblique	B	<input type="radio"/>	Pectoralis major	E	<input type="radio"/>
Aponeurosis	B ₁	<input type="radio"/>	Latissimus dorsi	F	<input type="radio"/>
Linea alba	B ₂	<input type="radio"/>	Serratus anterior	G	<input type="radio"/>

Deltoid	H	<input type="radio"/>
Pectoralis minor	I	<input type="radio"/>
External intercostals	J	<input type="radio"/>
Internal intercostals	K	<input type="radio"/>
Subclavius	L	<input type="radio"/>
Subscapularis	M	<input type="radio"/>
Teres major	N	<input type="radio"/>
Coracobrachialis	a	<input type="radio"/>
Biceps brachii	b	<input type="radio"/>
Platysma	c	<input type="radio"/>
Sternocleidomastoid	d	<input type="radio"/>
Trapezius	e	<input type="radio"/>
Gluteus medius	f	<input type="radio"/>
Tensor fascia latae	g	<input type="radio"/>
Iliopsoas	h	<input type="radio"/>
Pectenius	i	<input type="radio"/>
Adductor longus	j	<input type="radio"/>
Gracilis	k	<input type="radio"/>
Sartorius	l	<input type="radio"/>
Rectus femoris	m	<input type="radio"/>

MUSCLES OF THE THORAX AND ABDOMEN (DEEP)

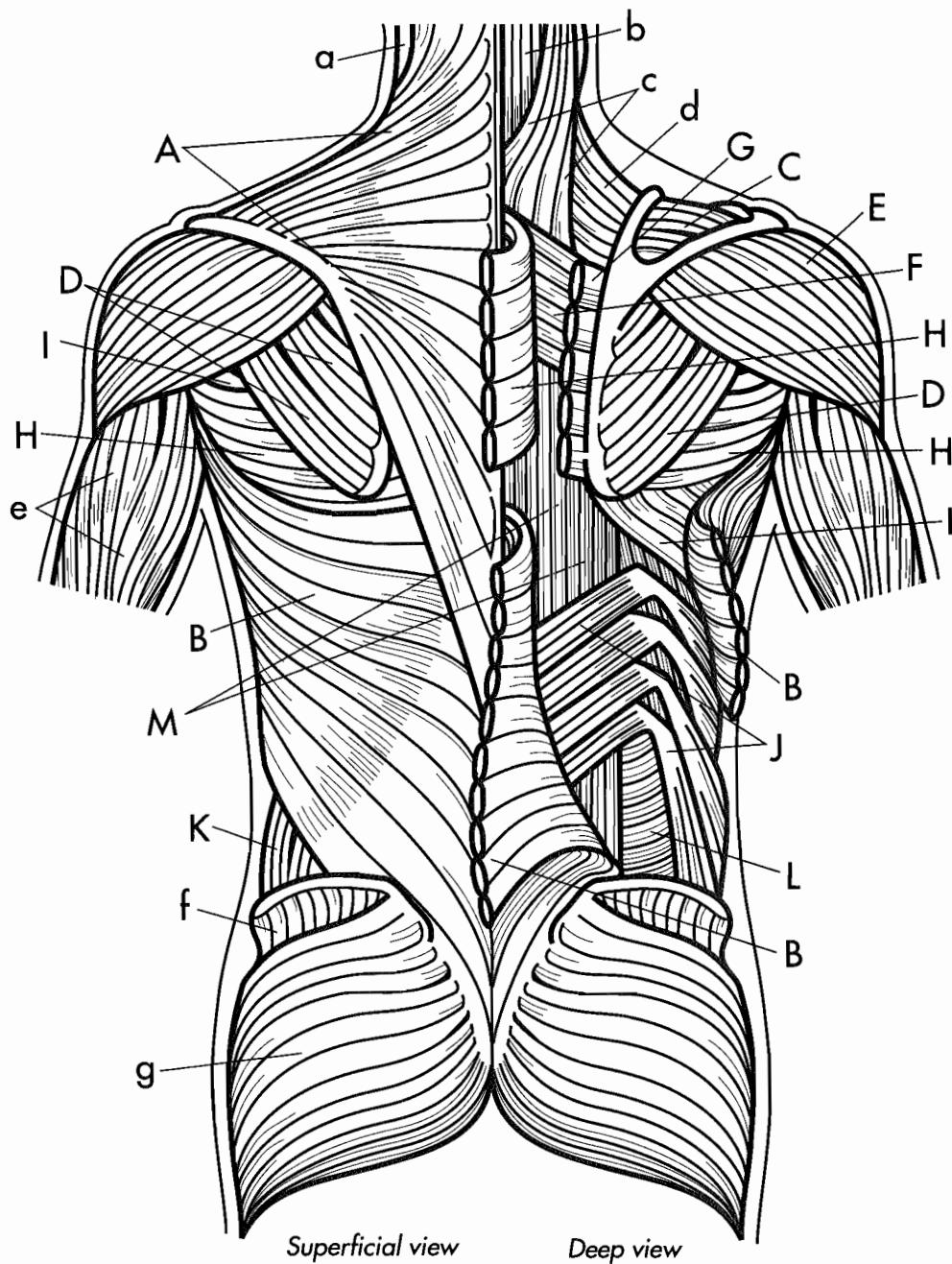


Rectus abdominis A ○
 External oblique B ○
 Internal oblique C ○
 Aponeurosis C₁ ○

Transversus abdominis D ○
 Pectoralis minor I ○
 External intercostals J ○
 Internal intercostals K ○

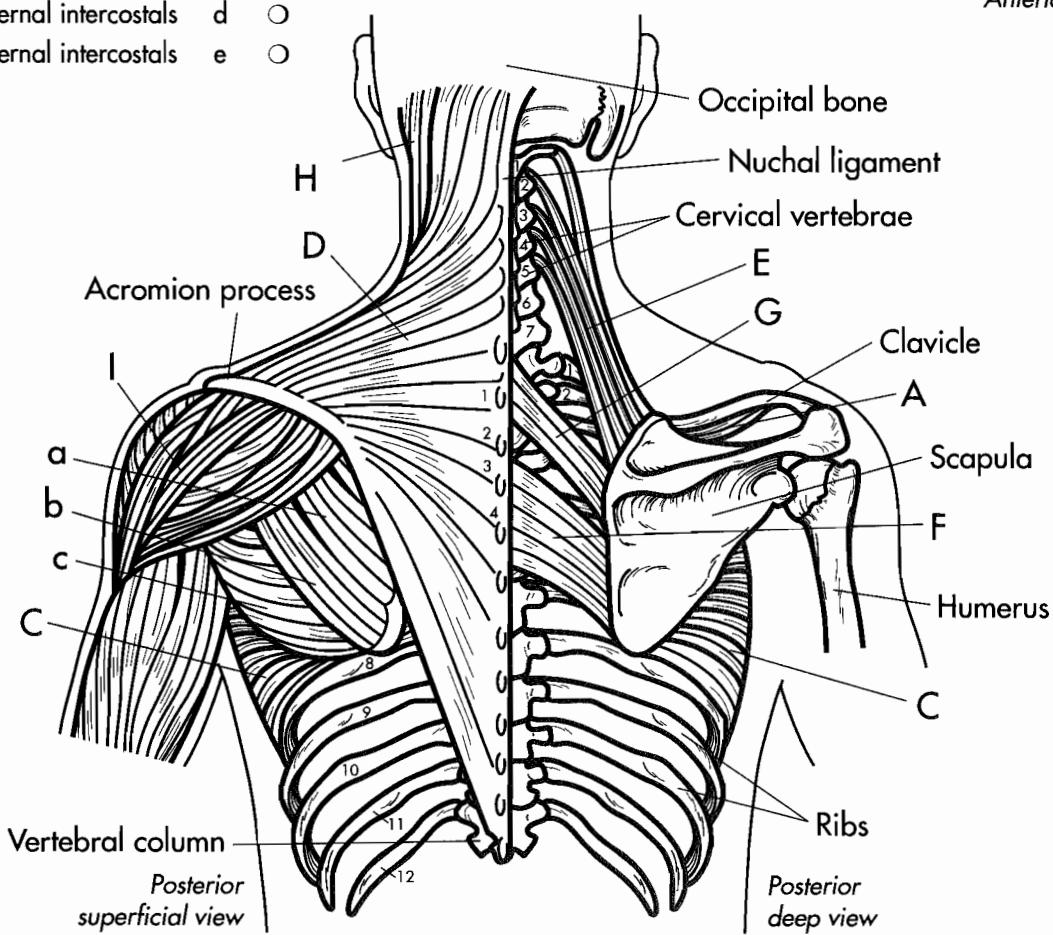
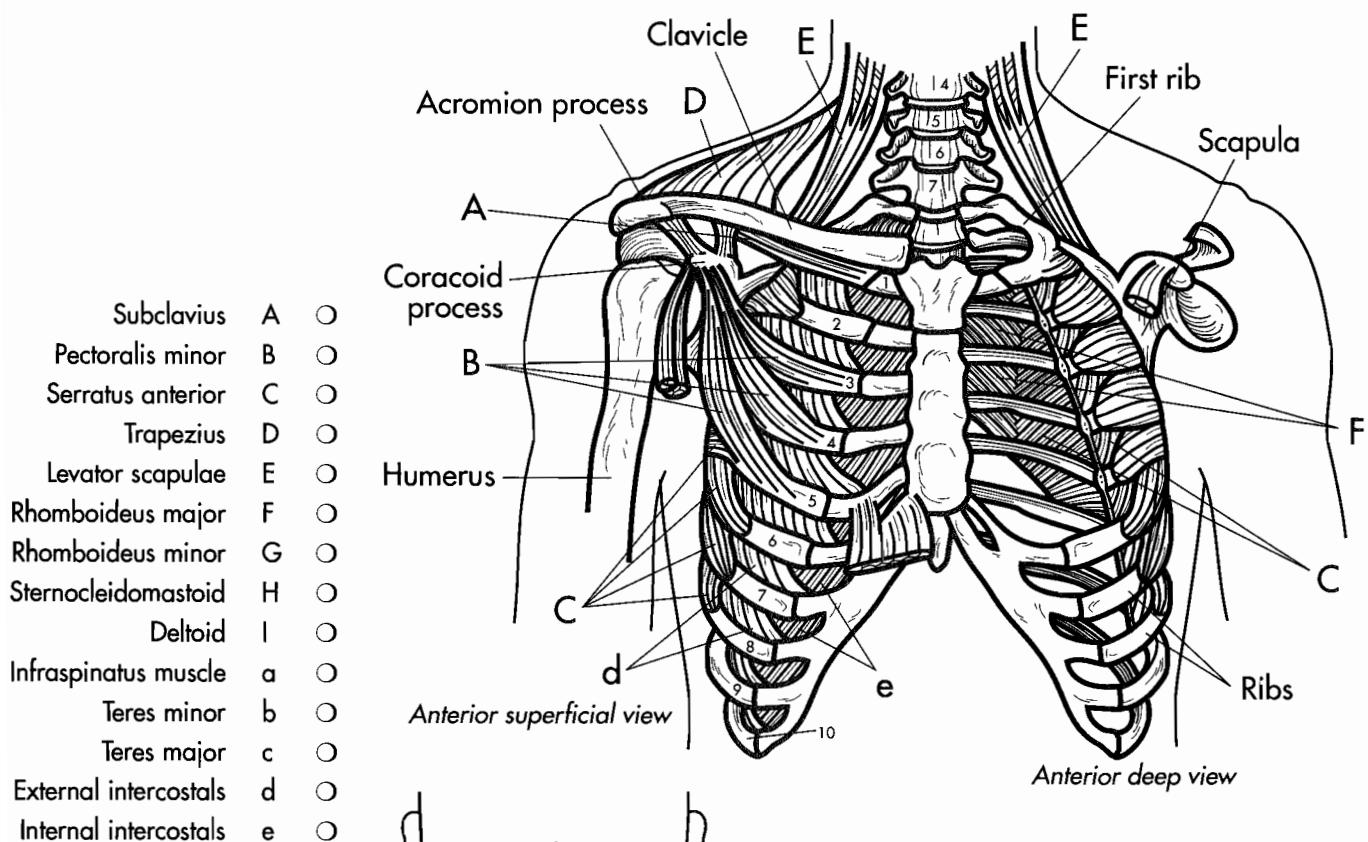
Diaphragm O ○
 Central tendon O₁ ○
 Quadratus lumborum P ○

MUSCLES OF THE THORAX AND ABDOMEN (POSTERIOR)

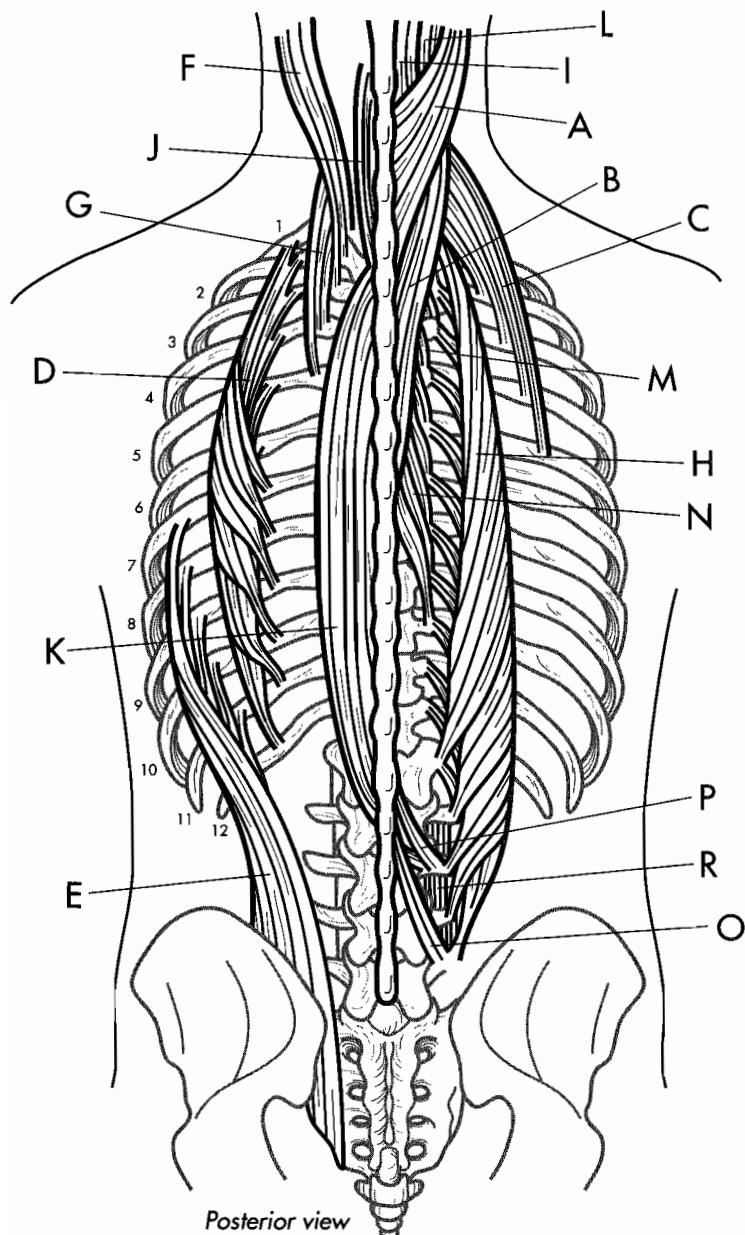


Trapezius	A	<input type="radio"/>	Serratus posterior superior	H	<input type="radio"/>	Semispinalis capitis	b	<input type="radio"/>
Latissimus dorsi	B	<input type="radio"/>	Serratus anterior	I	<input type="radio"/>	Splenius capitis	c	<input type="radio"/>
Supraspinatus	C	<input type="radio"/>	Serratus posterior inferior	J	<input type="radio"/>	Levator scapulae	d	<input type="radio"/>
Infraspinatus	D	<input type="radio"/>	External oblique	K	<input type="radio"/>	Triceps brachii	e	<input type="radio"/>
Deltoid	E	<input type="radio"/>	Internal oblique	L	<input type="radio"/>	Gluteus medius	f	<input type="radio"/>
Rhomboideus major	F	<input type="radio"/>	Erector spinous	M	<input type="radio"/>	Gluteus maximus	g	<input type="radio"/>
Rhomboideus minor	G	<input type="radio"/>	Sternocleidomastoid	q	<input type="radio"/>			

MUSCLES OF THE SHOULDER

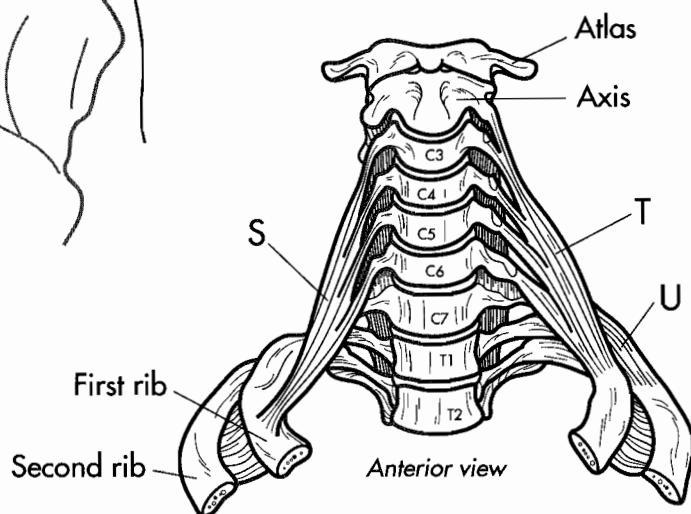
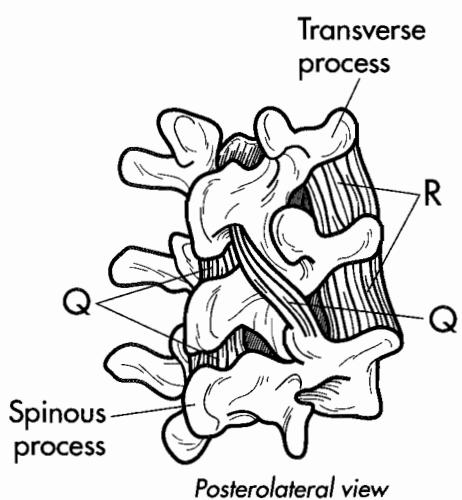


MUSCLES OF THE VERTEBRAL COLUMN



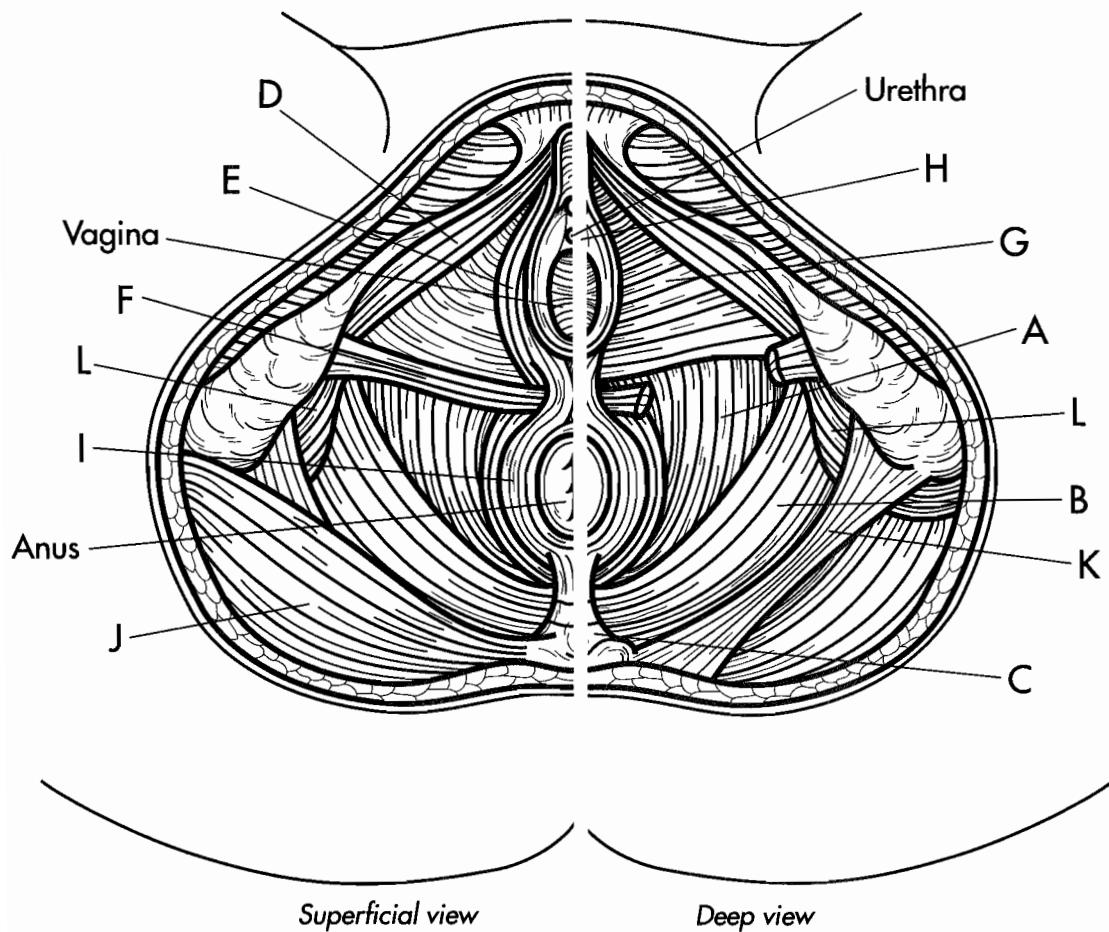
Longissimus cervicis	G	<input type="radio"/>
Longissimus thoracis	H	<input type="radio"/>
Spinalis capitis	I	<input type="radio"/>
Spinalis cervicis	J	<input type="radio"/>
Spinalis thoracis	K	<input type="radio"/>
Semispinalis capitis	L	<input type="radio"/>
Semispinalis cervicis	M	<input type="radio"/>
Semispinalis thoracis	N	<input type="radio"/>
Multifidus group	O	<input type="radio"/>
Rotators	P	<input type="radio"/>

Splenius capitis	A	<input type="radio"/>
Splenius cervicis	B	<input type="radio"/>
Iliocostalis cervicis	C	<input type="radio"/>
Iliocostalis thoracis	D	<input type="radio"/>
Iliocostalis lumborum	E	<input type="radio"/>
Longissimus capitis	F	<input type="radio"/>



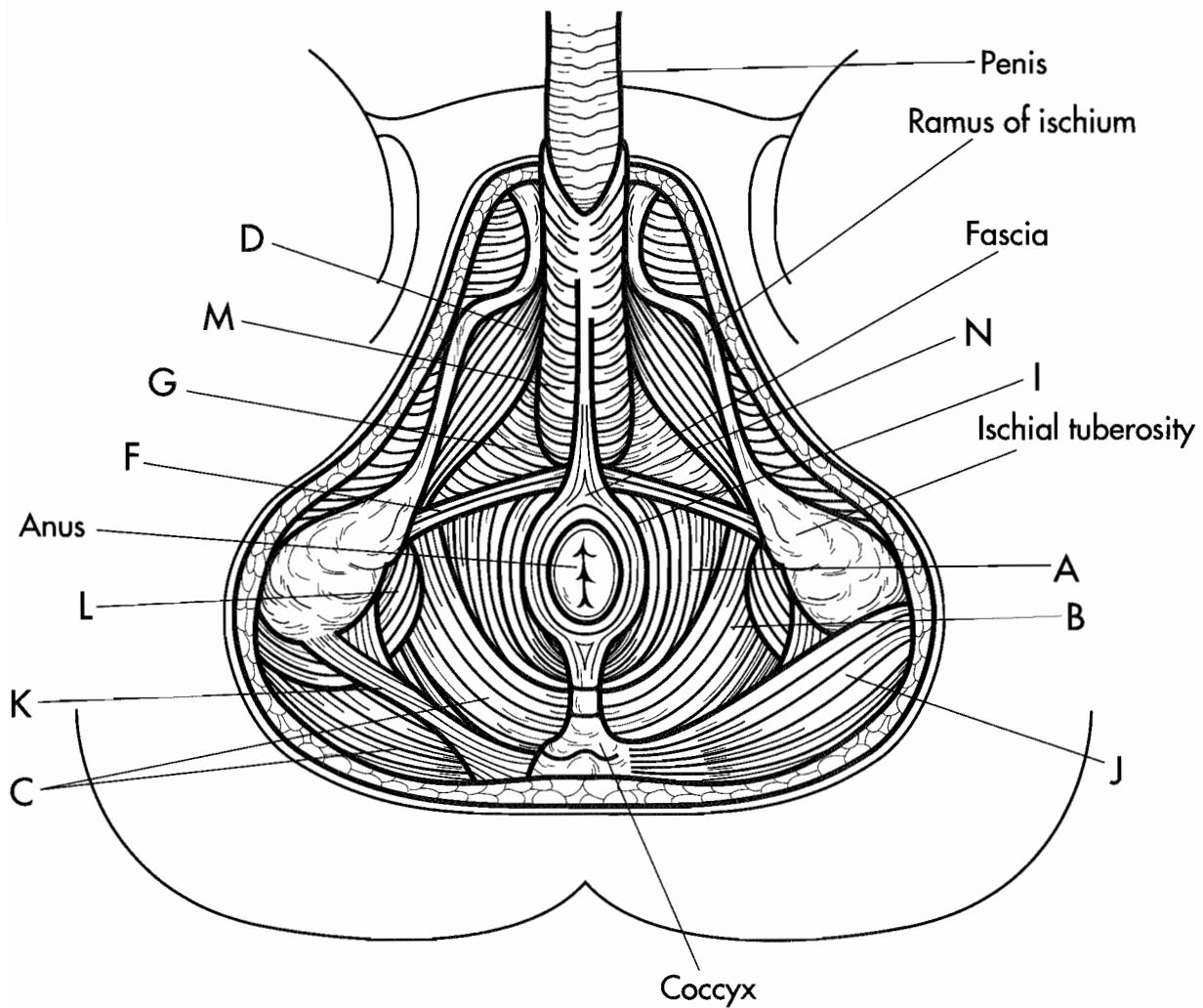
Interspinales	Q	<input type="radio"/>
Intertransversarii	R	<input type="radio"/>
Interior scalene	S	<input type="radio"/>
Middle scalene	T	<input type="radio"/>
Posterior scalene	U	<input type="radio"/>

MUSCLES OF THE FEMALE PERINEUM



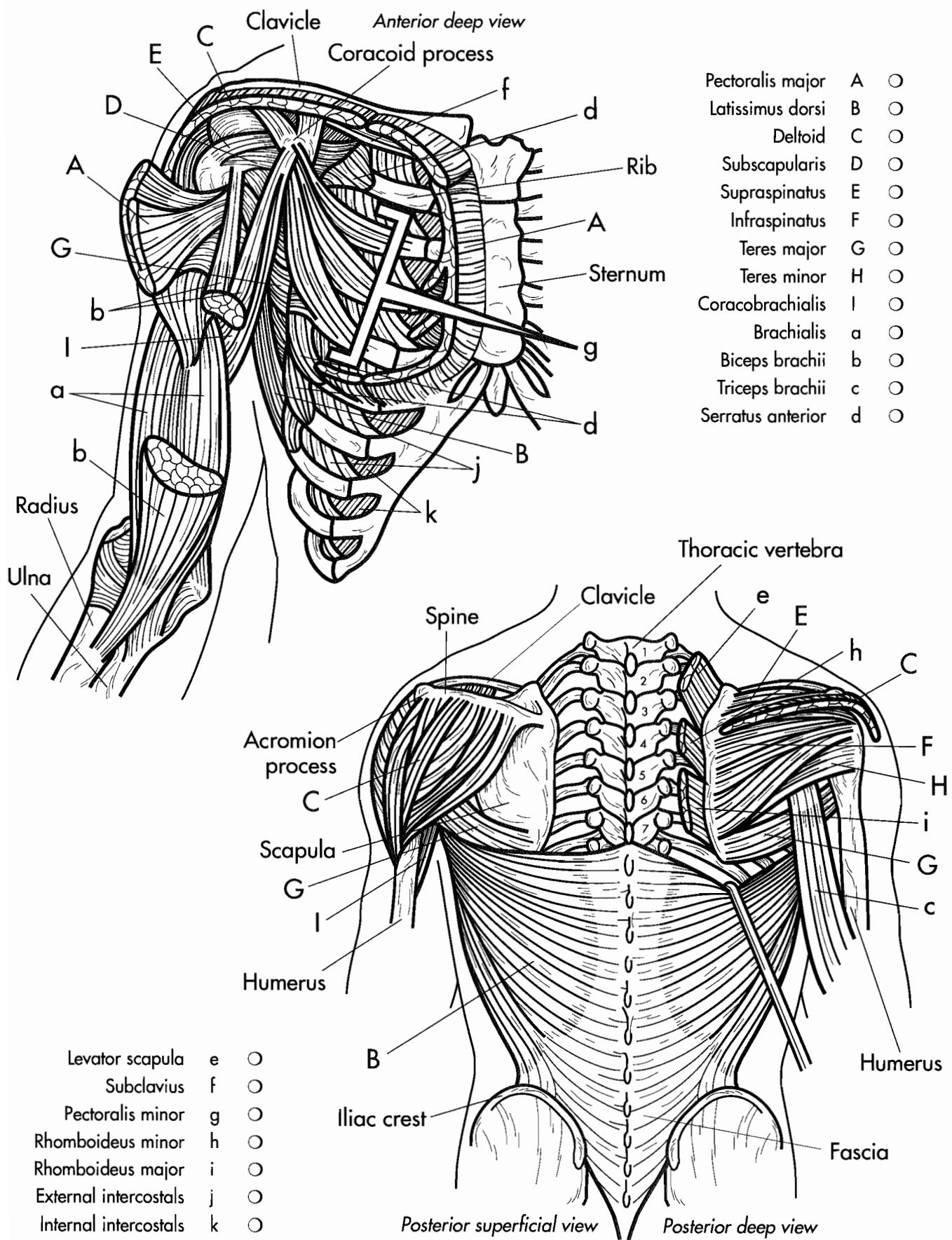
Pubococcygeus	A	<input type="radio"/>
Iliococcygeus	B	<input type="radio"/>
Coccygeus	C	<input type="radio"/>
Ischiocavernosus	D	<input type="radio"/>
Bulbocavernosus	E	<input type="radio"/>
Superficial transverse perineus	F	<input type="radio"/>
Deep transverse perineus	G	<input type="radio"/>
Urethral sphincter	H	<input type="radio"/>
External anal sphincter	I	<input type="radio"/>
Gluteus maximus	J	<input type="radio"/>
Sacrotuberous ligament	K	<input type="radio"/>
Obturator internus	L	<input type="radio"/>

MUSCLES OF THE MALE PERINEUM

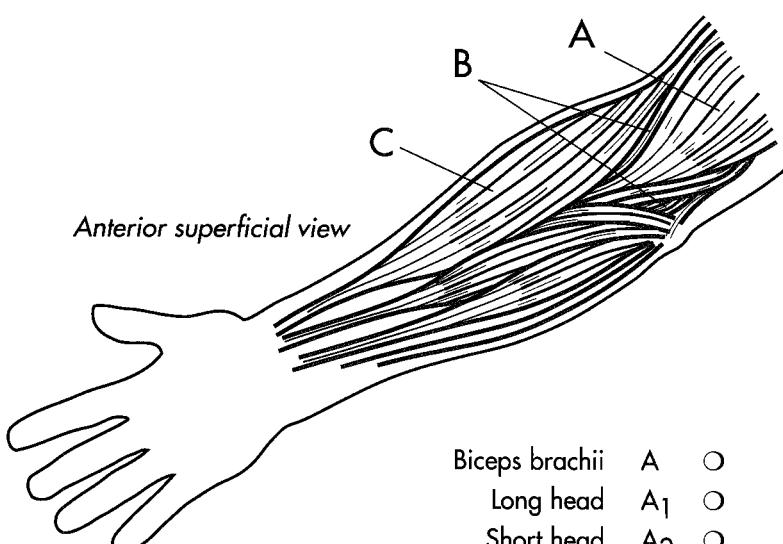
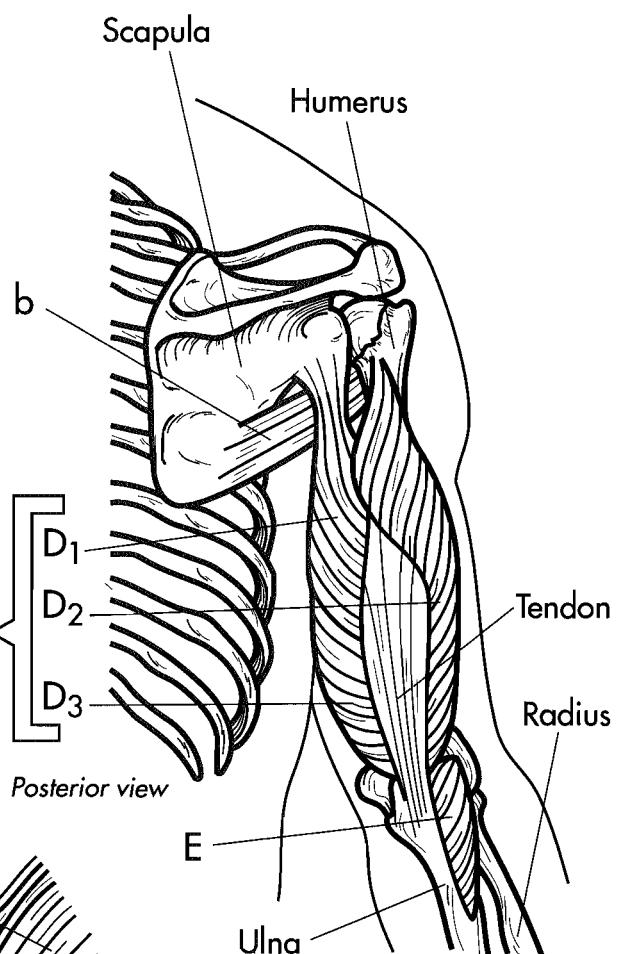
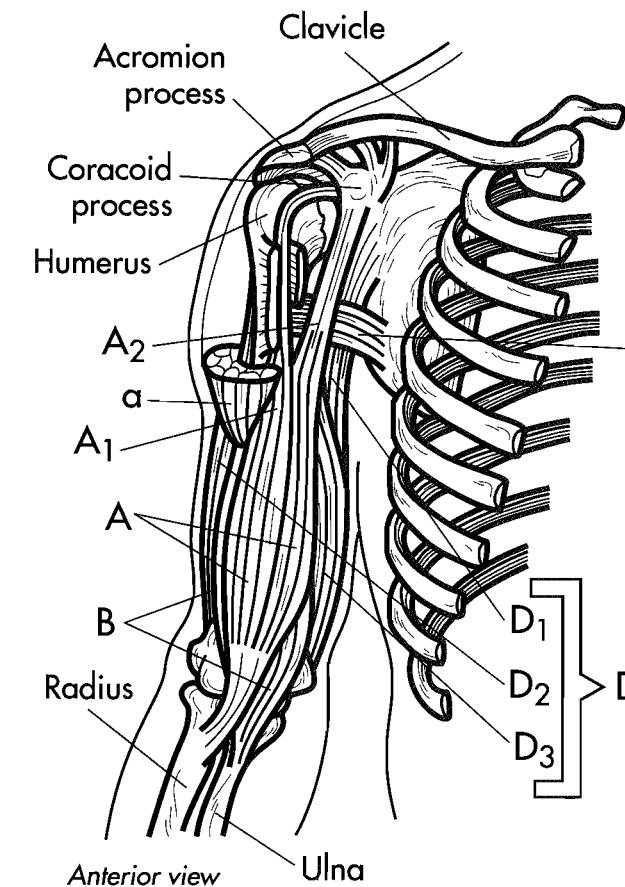


Pubococcygeus	A	○
Iliococcygeus	B	○
Coccygeus	C	○
Ischiocavernosus	D	○
Superficial transverse perineus	F	○
Deep transverse perineus	G	○
External anal sphincter	I	○
Gluteus maximus	J	○
Sacrotuberous ligament	K	○
Obturator internus	L	○
Bulbospongiosus	M	○
Central tendon	N	○

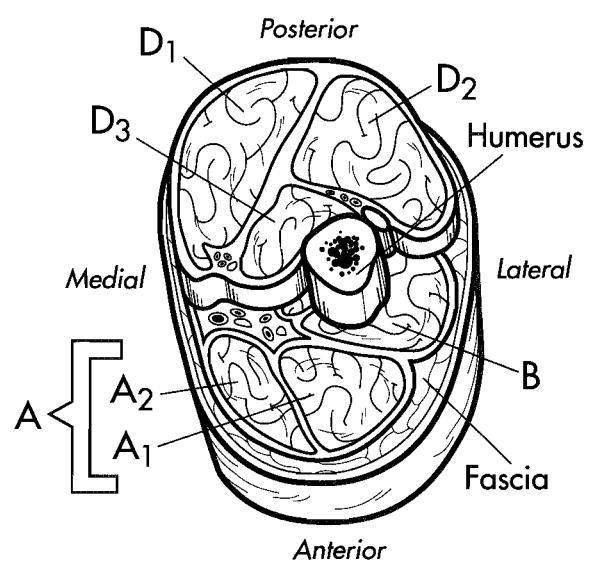
MUSCLES OF THE LATERAL THORAX



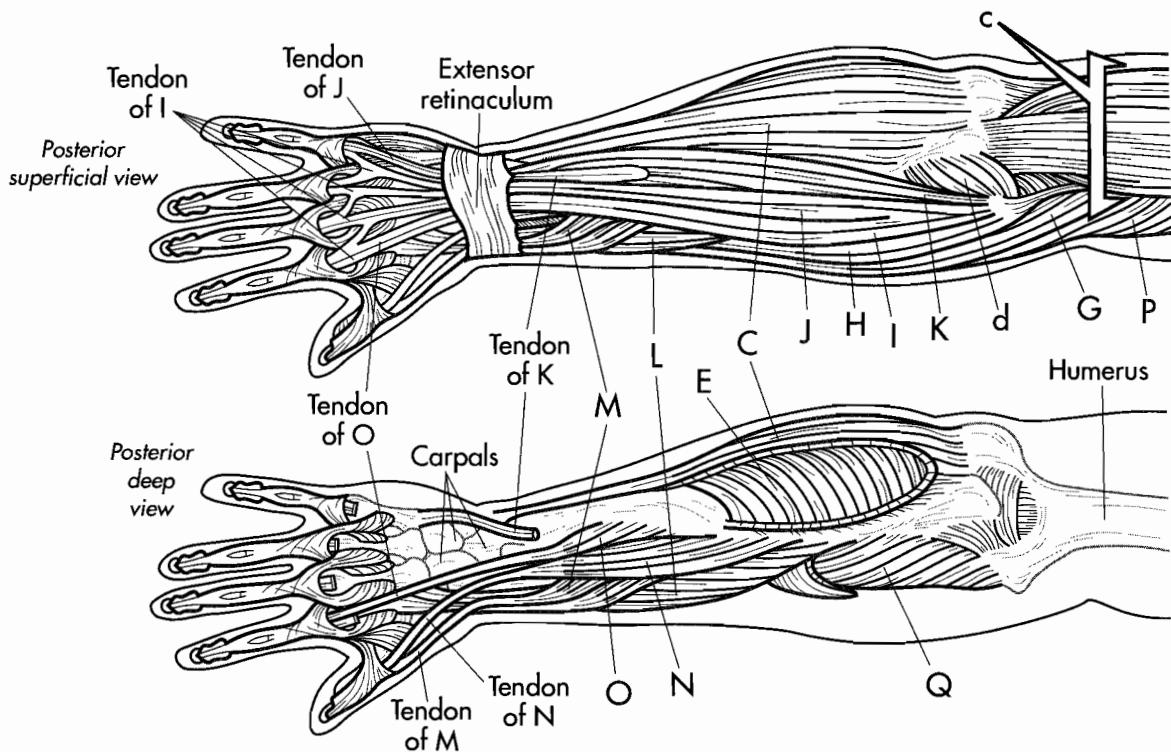
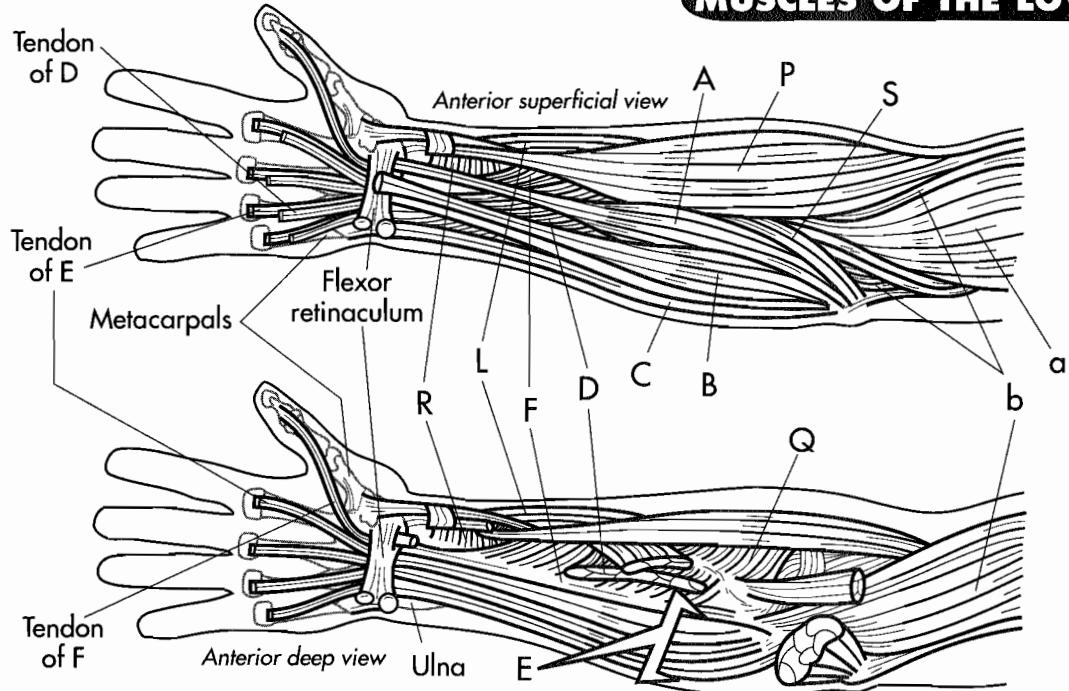
MUSCLES OF THE UPPER ARM



Biceps brachii	A	O
Long head	A ₁	O
Short head	A ₂	O
Brachialis	B	O
Brachioradialis	C	O
Triceps brachii	D	O
Long head	D ₁	O
Lateral head	D ₂	O
Medial head	D ₃	O
Anconeus	E	O
Deltoid	a	O
Teres major	b	O

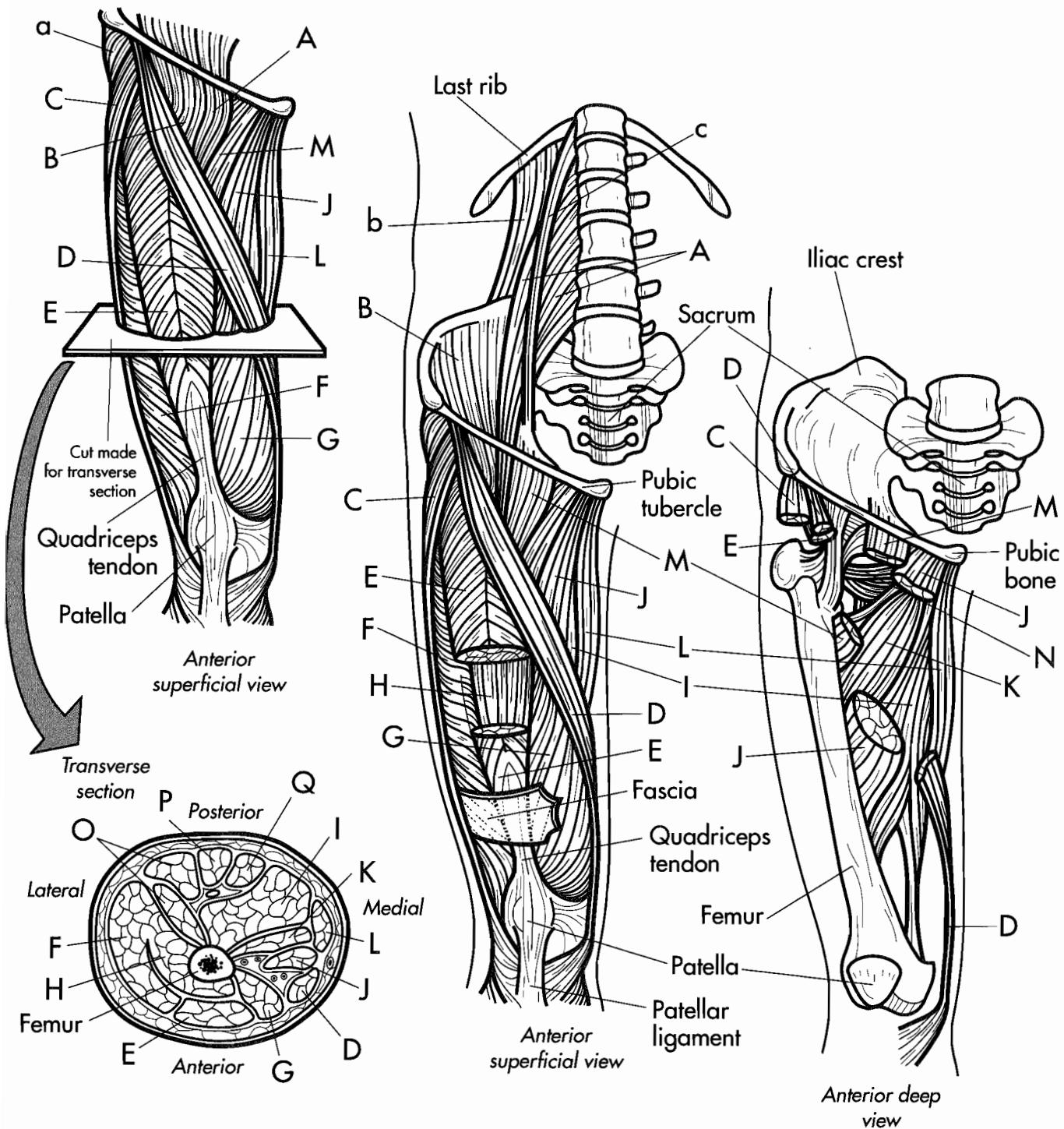


MUSCLES OF THE LOWER ARM



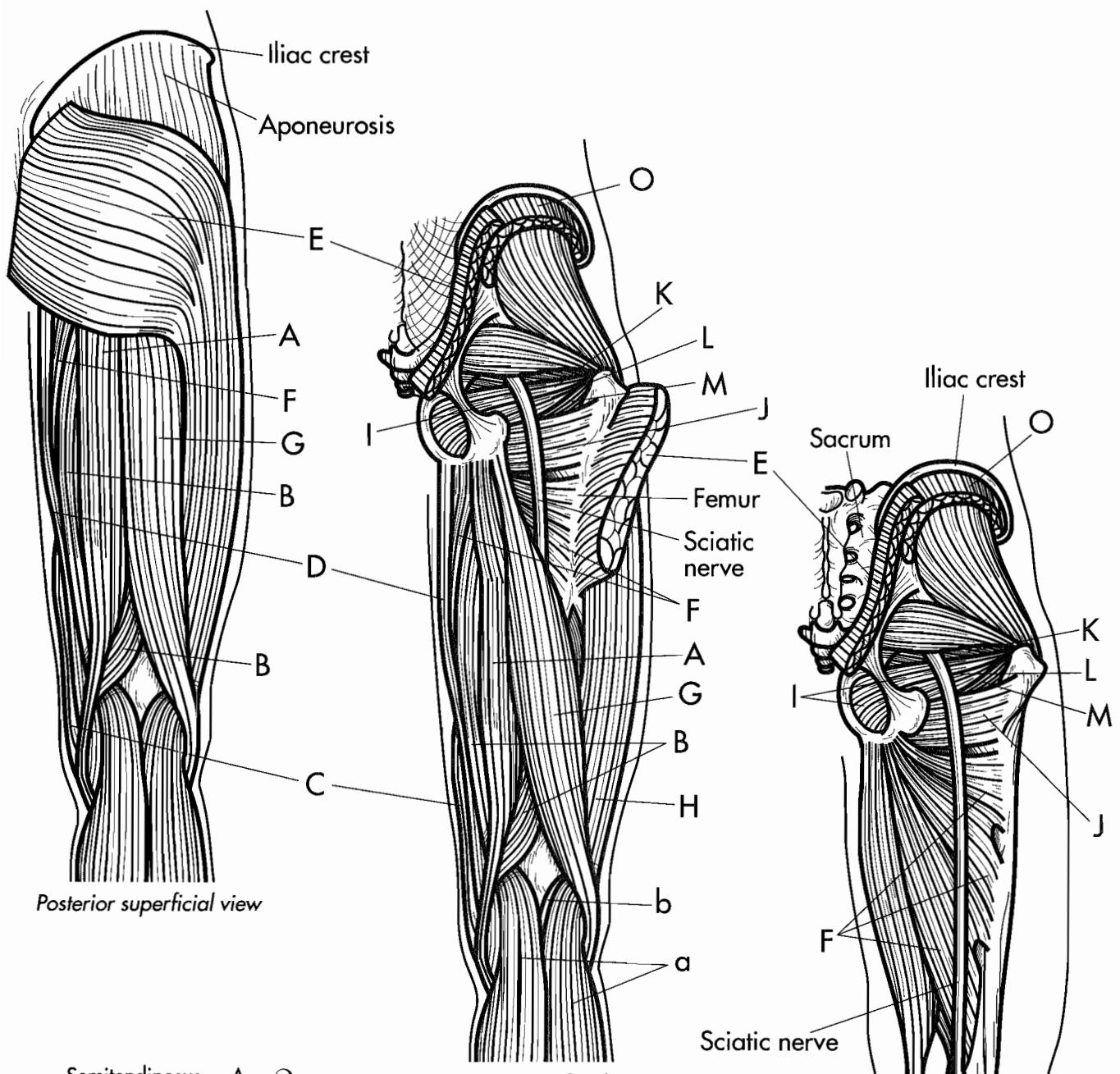
Flexor carpi radialis	A	O	Extensor digitorum	I	O	Supinator	Q	O
Palmaris longis	B	O	Extensor digiti minimi	J	O	Pronator quadratus	R	O
Flexor carpi ulnaris	C	O	Extensor carpi ulnaris	K	O	Pronator teres	S	O
Flexor digitorum superficialis	D	O	Abductor pollicis longus	L	O	Biceps brachii	a	O
Flexor digitorum profundus	E	O	Extensor pollicis brevis	M	O	Brachialis	b	O
Flexor pollicis longus	F	O	Extensor pollicis longus	N	O	Triceps brachii	c	O
Extensor carpi radialis longus	G	O	Extensor indicis	O	O	Anconeus	d	O
Extensor carpi radialis brevis	H	O	Brachioradialis	P	O			

MUSCLES OF THE THIGH (ANTERIOR)



Psoas major	A	O	Vastus intermedius	H	O	Biceps femoris	O	O
Iliacus	B	O	Adductor magnus	I	O	Semitendinosus	P	O
Tensor fasciae latae	C	O	Adductor longus	J	O	Semimembranosus	Q	O
Sartorius	D	O	Adductor brevis	K	O	Gluteus medius	a	O
Rectus femoris	E	O	Gracilis	L	O	Quadratus lumborum	b	O
Vastus lateralis	F	O	Pectenius	M	O	Psoas minor	c	O
Vastus medialis	G	O	Obturator externus	N	O			

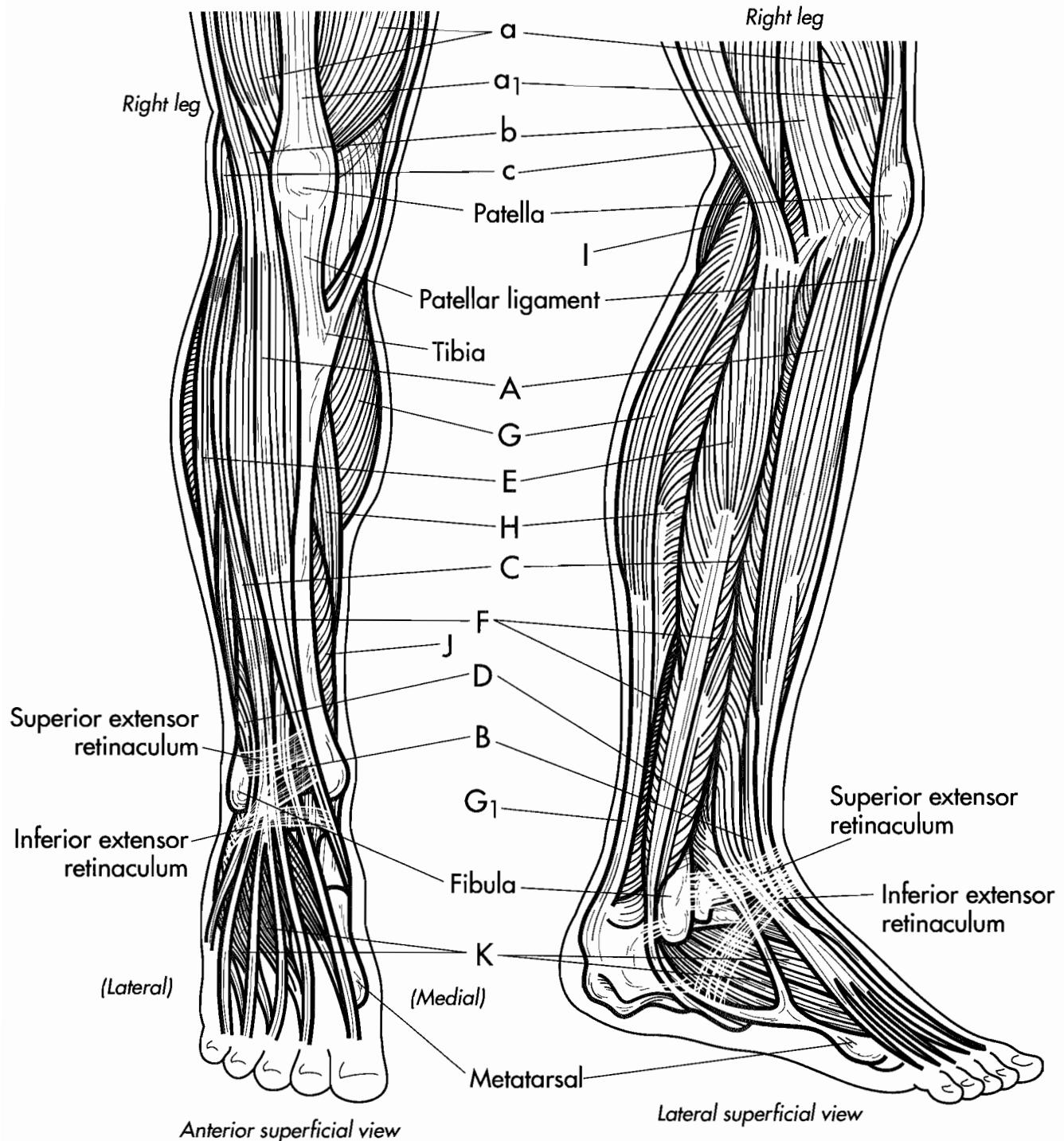
MUSCLES OF THE THIGH (POSTERIOR)



Semitendinosus	A	O
Semimembranosus	B	O
Sartorius	C	O
Gracilis	D	O
Gluteus maximus	E	O
Adductor magnus	F	O
Biceps femoris	G	O
Vastus lateralis	H	O
Obturator internus	I	O
Quadratus femoris	J	O
Superior gemellus	K	O

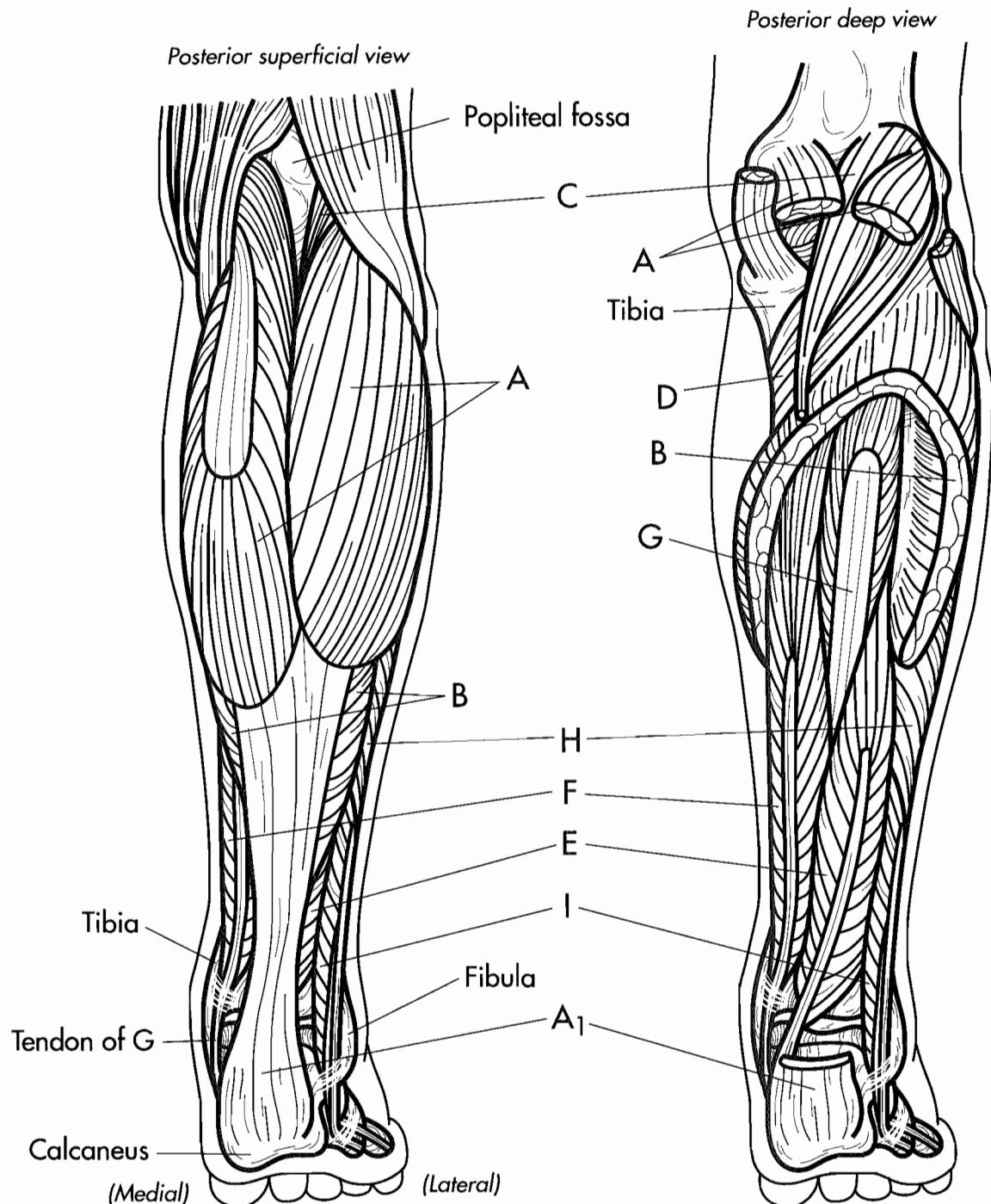
Inferior gemellus	L	O
Obturator externus	M	O
Gluteus medius	O	O
Gastrocnemius	a	O
Plantaris	b	O

MUSCLES OF THE LOWER LEG (ANTERIOR AND LATERAL)



Tibialis anterior	A	O	Gastrocnemius	G	O	Quadriceps femoris	a	O
Extensor hallucis longus	B	O	Calcaneal tendon	G ₁	O	Tendon	a ₁	O
Extensor digitorum longus	C	O	Soleus	H	O	Fascia latae	b	O
Peroneus tertius	D	O	Plantaris	I	O	Biceps femoris	c	O
Peroneus longus	E	O	Flexor digitorum longus	J	O			
Peroneus brevis	F	O	Extensor digitorum brevis	K	O			

MUSCLES OF THE LOWER LEG (POSTERIOR)



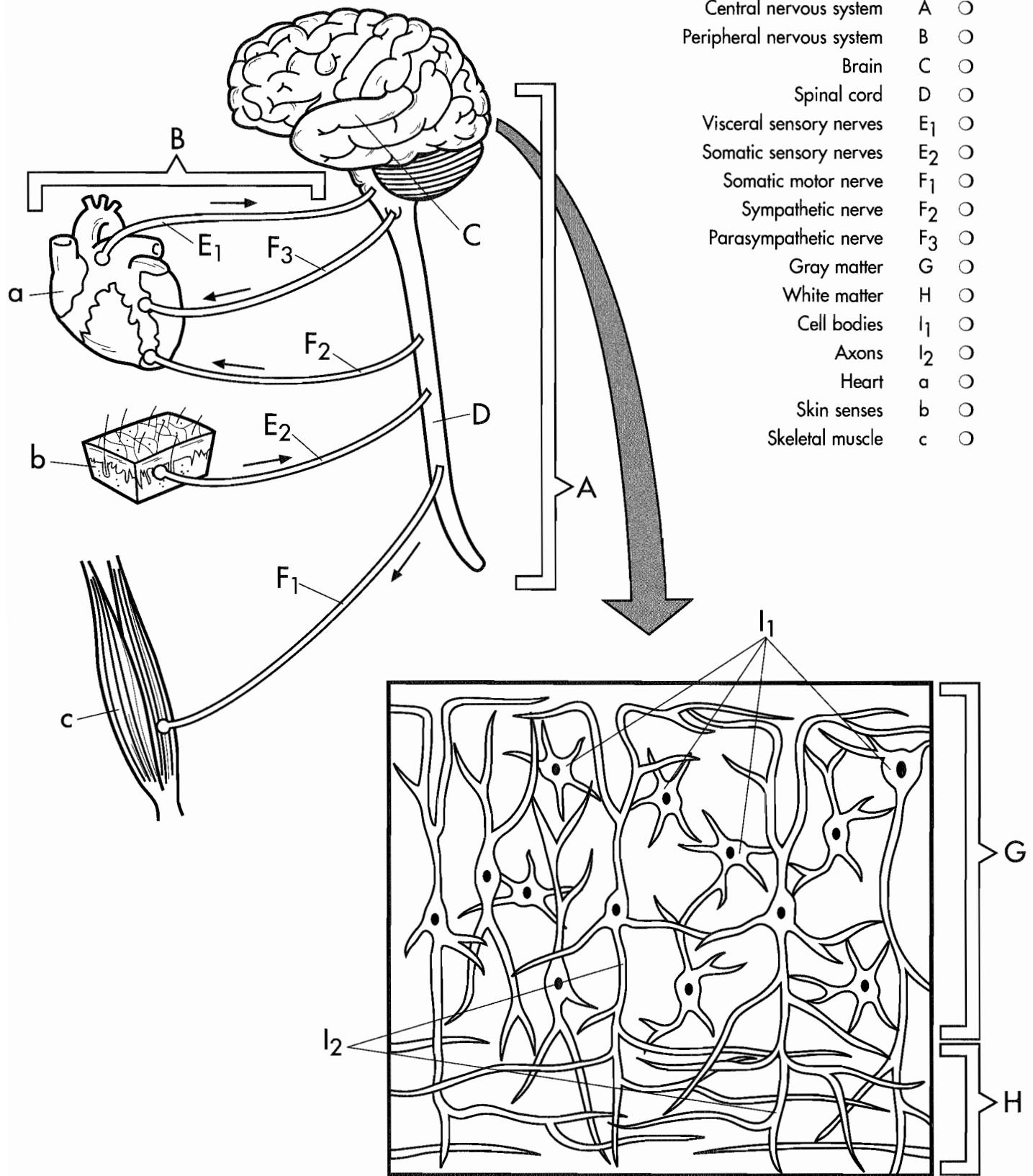
Gastrocnemius	A	<input type="radio"/>
Calcaneal tendon	A ₁	<input type="radio"/>
Soleus	B	<input type="radio"/>
Plantaris	C	<input type="radio"/>
Popliteus	D	<input type="radio"/>

Flexor hallucis longus	E	<input type="radio"/>
Flexor digitorum longus	F	<input type="radio"/>
Tibialis posterior	G	<input type="radio"/>
Peroneus longus	H	<input type="radio"/>
Peroneus brevis	I	<input type="radio"/>

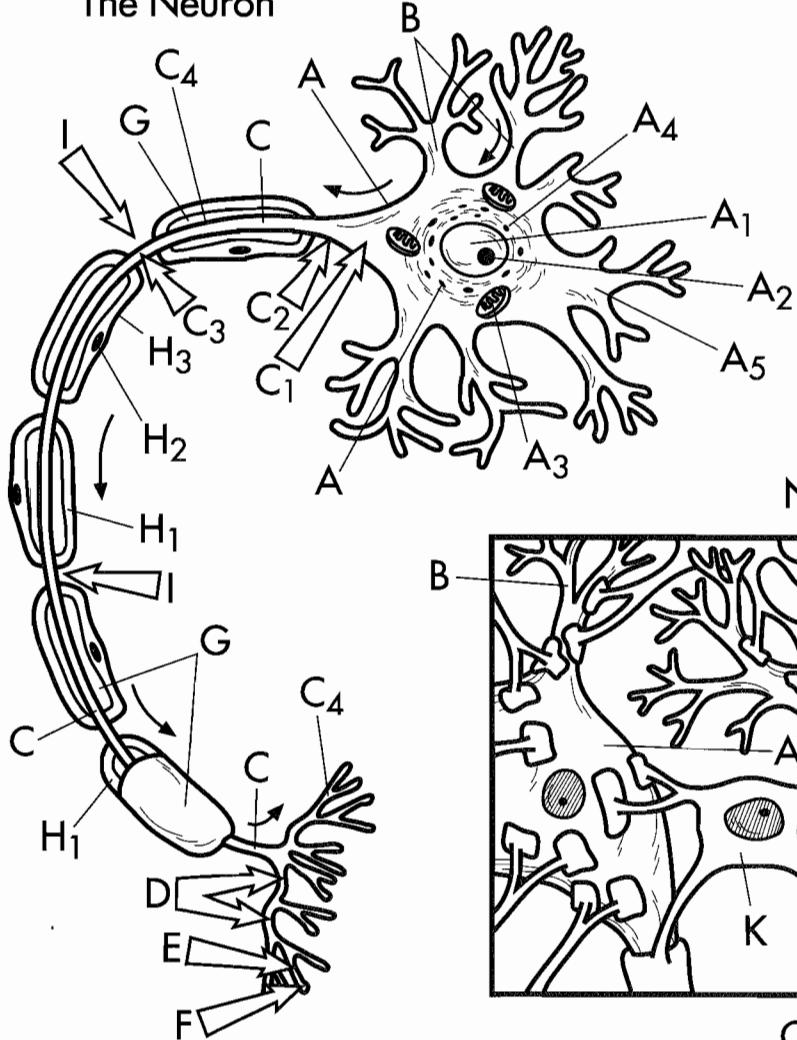
CHAPTER FIVE:

the NERVOUS SYSTEM

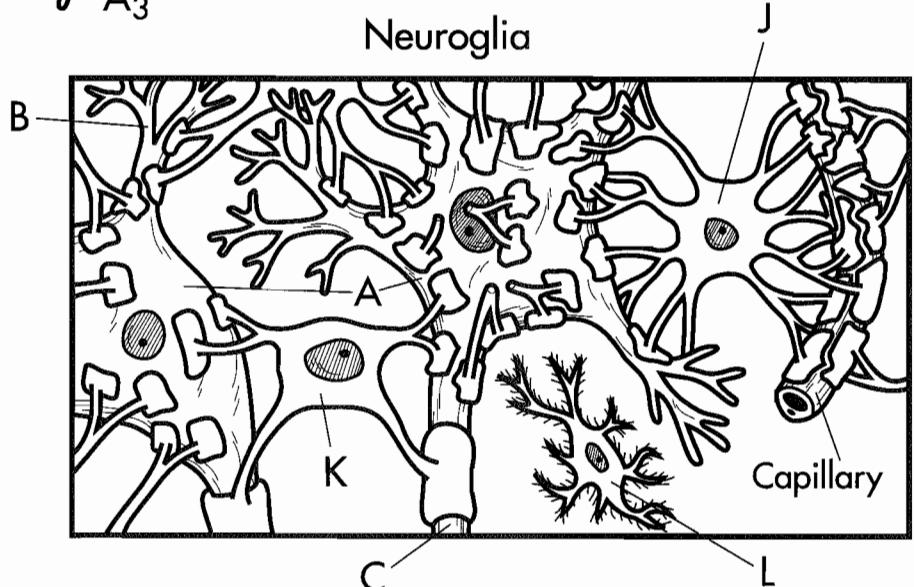
OVERVIEW OF THE NERVOUS SYSTEM



The Neuron

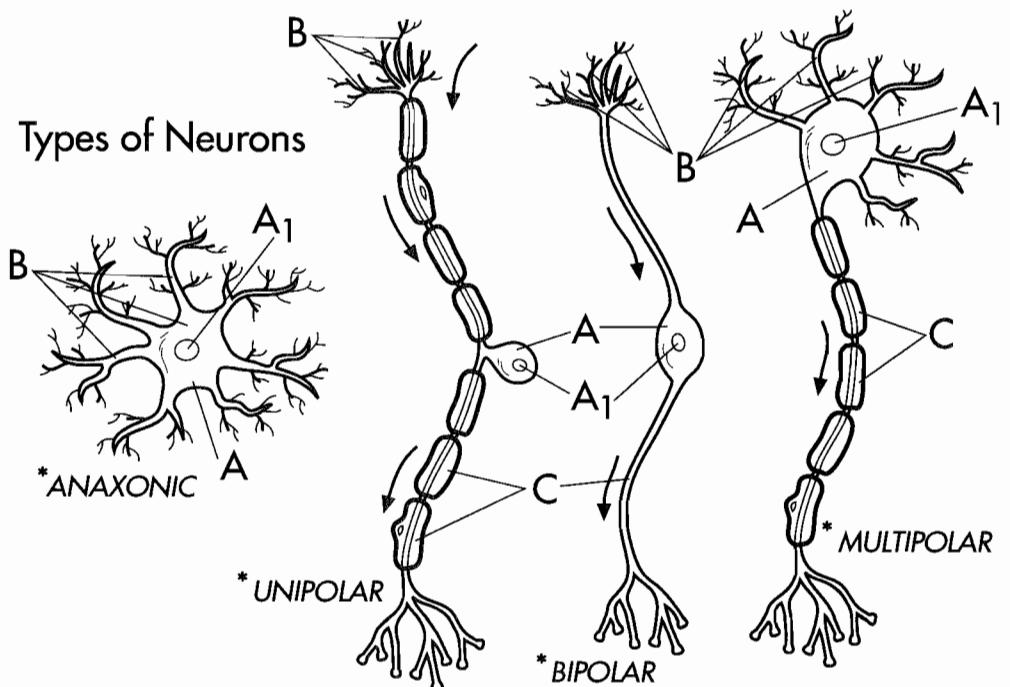


Myelin sheath	G	<input type="radio"/>
Schwann cells (neurolemmocytes)	H	<input type="radio"/>
Cytoplasm of Schwann cell	H1	<input type="radio"/>
Nucleus of the cell	H2	<input type="radio"/>
Neurolemma	H3	<input type="radio"/>
Nodes of Ranvier	I	<input type="radio"/>
Astrocytes	J	<input type="radio"/>
Oligodendrocytes	K	<input type="radio"/>
Microglia	L	<input type="radio"/>

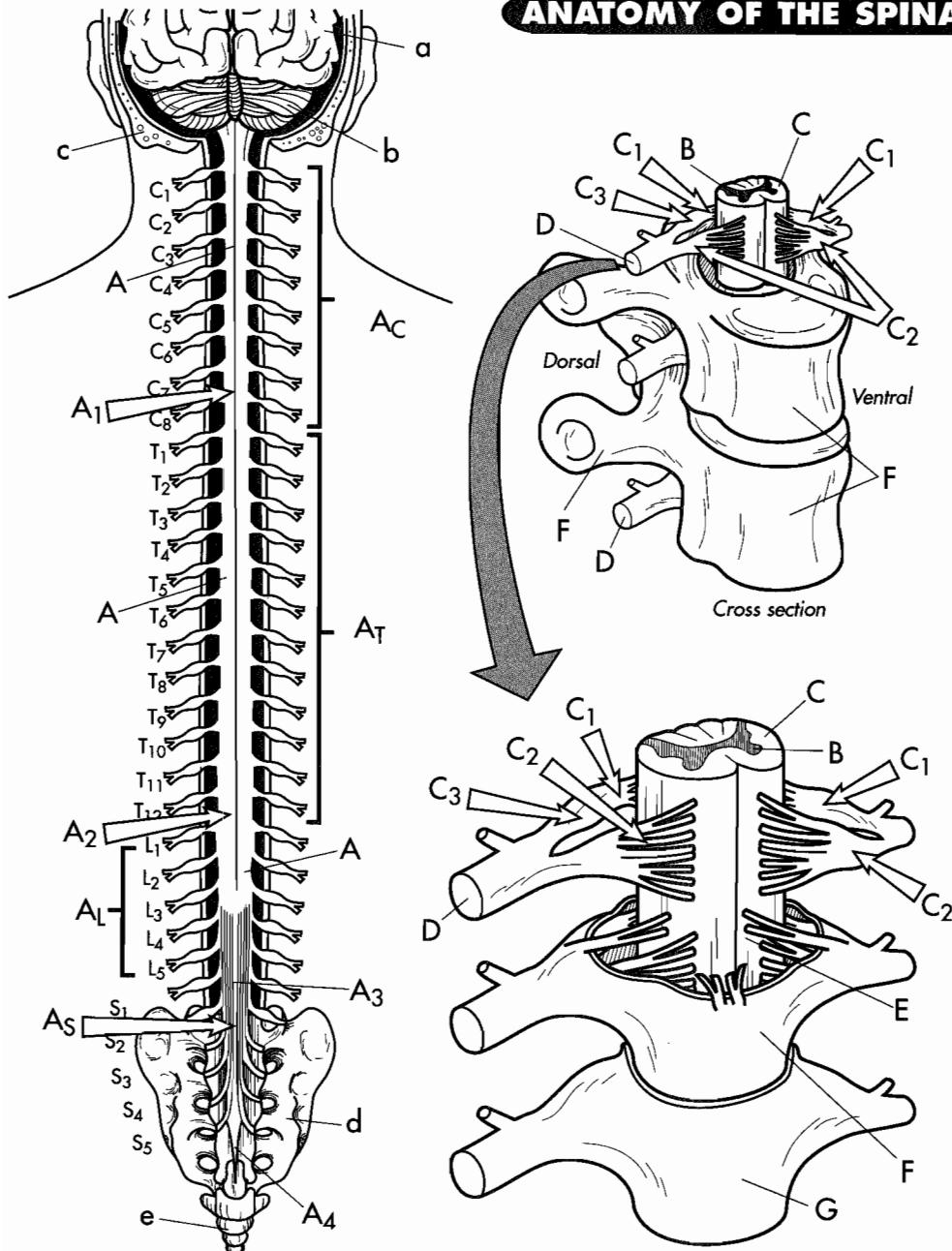


Cell body	A	<input type="radio"/>
Nucleus	A1	<input type="radio"/>
Nucleolus	A2	<input type="radio"/>
Mitochondrion	A3	<input type="radio"/>
Nissl body	A4	<input type="radio"/>
Neurofibril	A5	<input type="radio"/>
Dendrites	B	<input type="radio"/>
Axon	C	<input type="radio"/>
Axon hillock	C1	<input type="radio"/>
Initial segment	C2	<input type="radio"/>
Axis cylinder	C3	<input type="radio"/>
Axolemma	C4	<input type="radio"/>
Telodendria	D	<input type="radio"/>
Axon terminals	E	<input type="radio"/>
End bulbs	F	<input type="radio"/>

Types of Neurons



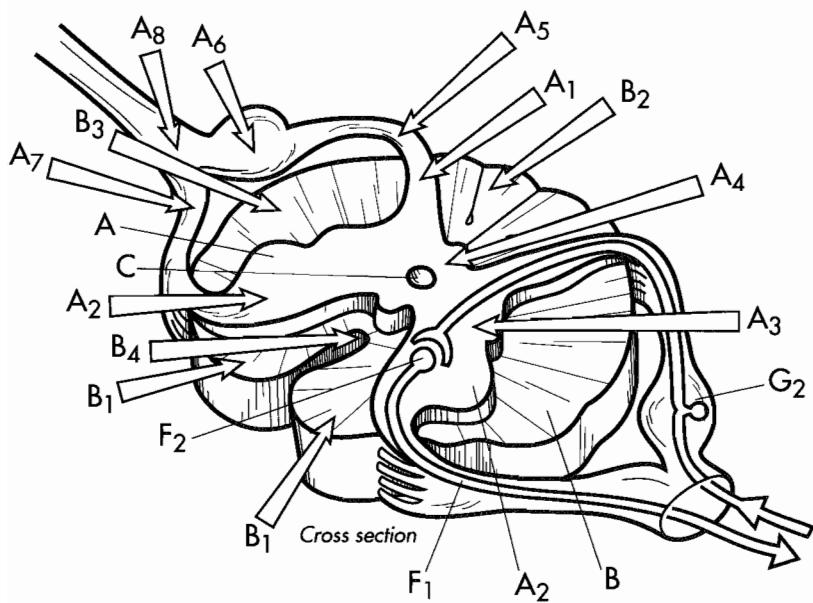
ANATOMY OF THE SPINAL CORD



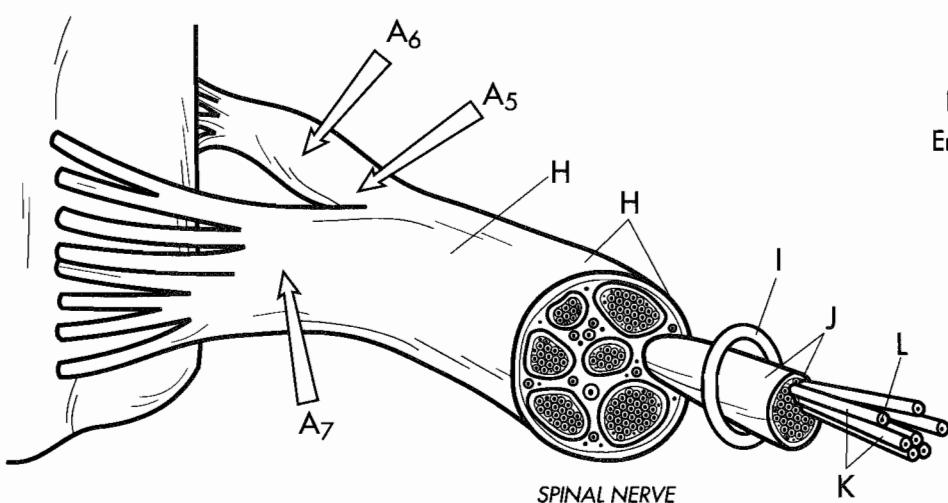
Spinal cord	A	<input type="radio"/>
Cervical enlargement	A ₁	<input type="radio"/>
Lumbar enlargement	A ₂	<input type="radio"/>
Conus medullaris	A ₃	<input type="radio"/>
Filum terminal	A ₄	<input type="radio"/>
Cervical segment	Ac	<input type="radio"/>
Thoracic segment	A _T	<input type="radio"/>
Lumbar segment	A _L	<input type="radio"/>
Sacral segment	A _S	<input type="radio"/>

Gray matter	B	<input type="radio"/>
White matter	C	<input type="radio"/>
Dorsal root	C ₁	<input type="radio"/>
Ventral root	C ₂	<input type="radio"/>
Dorsal root ganglion	C ₃	<input type="radio"/>
Spinal nerve	D	<input type="radio"/>
Pia mater	E	<input type="radio"/>
Arachnoid	F	<input type="radio"/>
Dura mater	G	<input type="radio"/>
Cerebrum	a	<input type="radio"/>
Cerebellum	b	<input type="radio"/>
Occipital bone	c	<input type="radio"/>
Sacrum	d	<input type="radio"/>
Coccyx	e	<input type="radio"/>

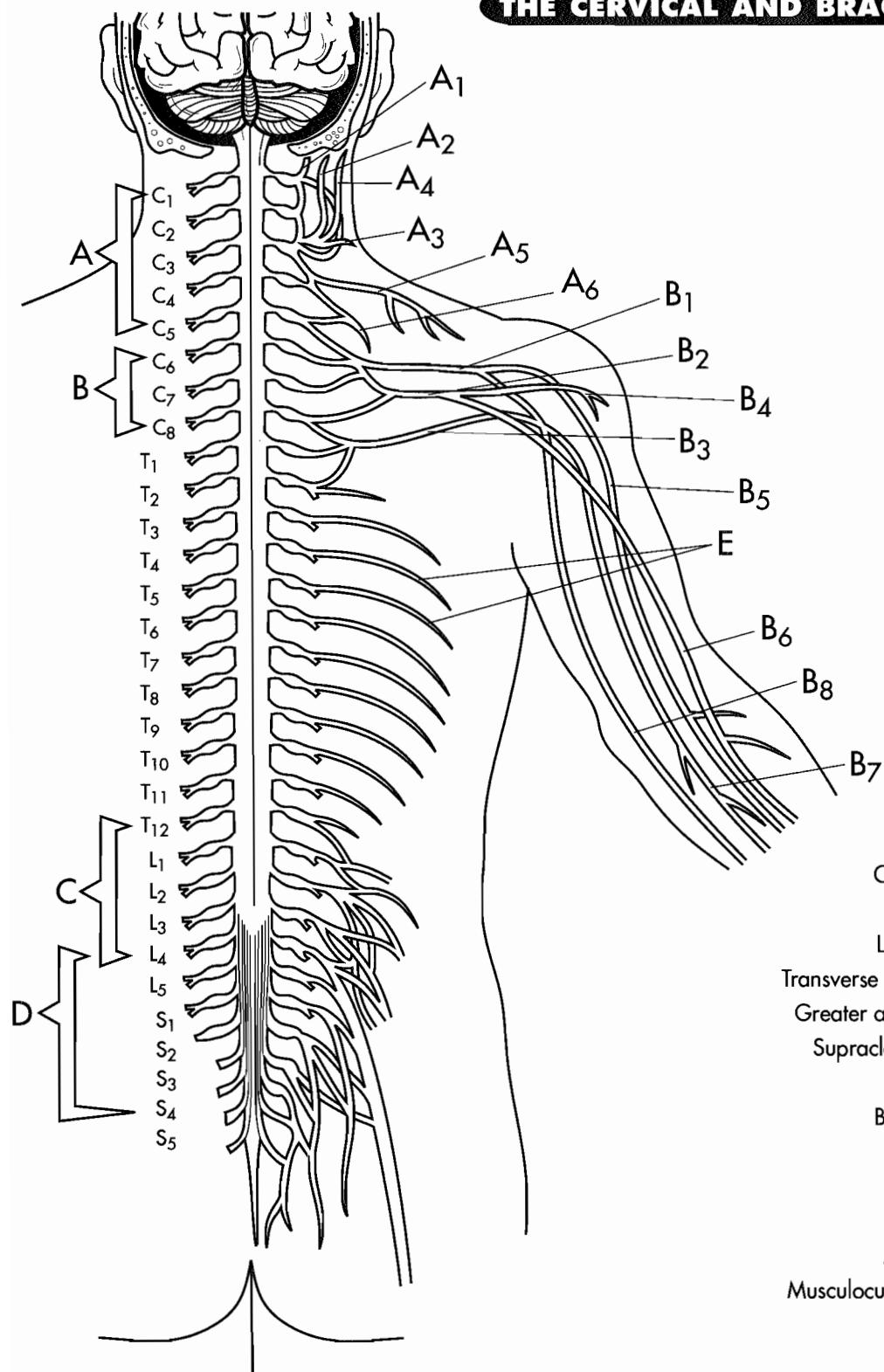
DETAILS OF THE SPINAL CORD AND NERVE



Gray matter	A	O
Dorsal gray horn	A1	O
Ventral gray horns	A2	O
Lateral gray horn	A3	O
Gray commissure	A4	O
Dorsal root	A5	O
Dorsal root ganglion	A6	O
Ventral root	A7	O
Spinal nerve	A8	O
Spinal cord	B	O
Ventral white columns	B1	O
Dorsal white columns	B2	O
Lateral white columns	B3	O
Anterior white commissure	B4	O
Central canal	C	O
Motor axons	F1	O
Motor neuron	F2	O
Dorsal root ganglion	G2	O
Epineurium	H	O
Fascicle	I	O
Perineurium	J	O
Endoneurium	K	O
Axon	L	O

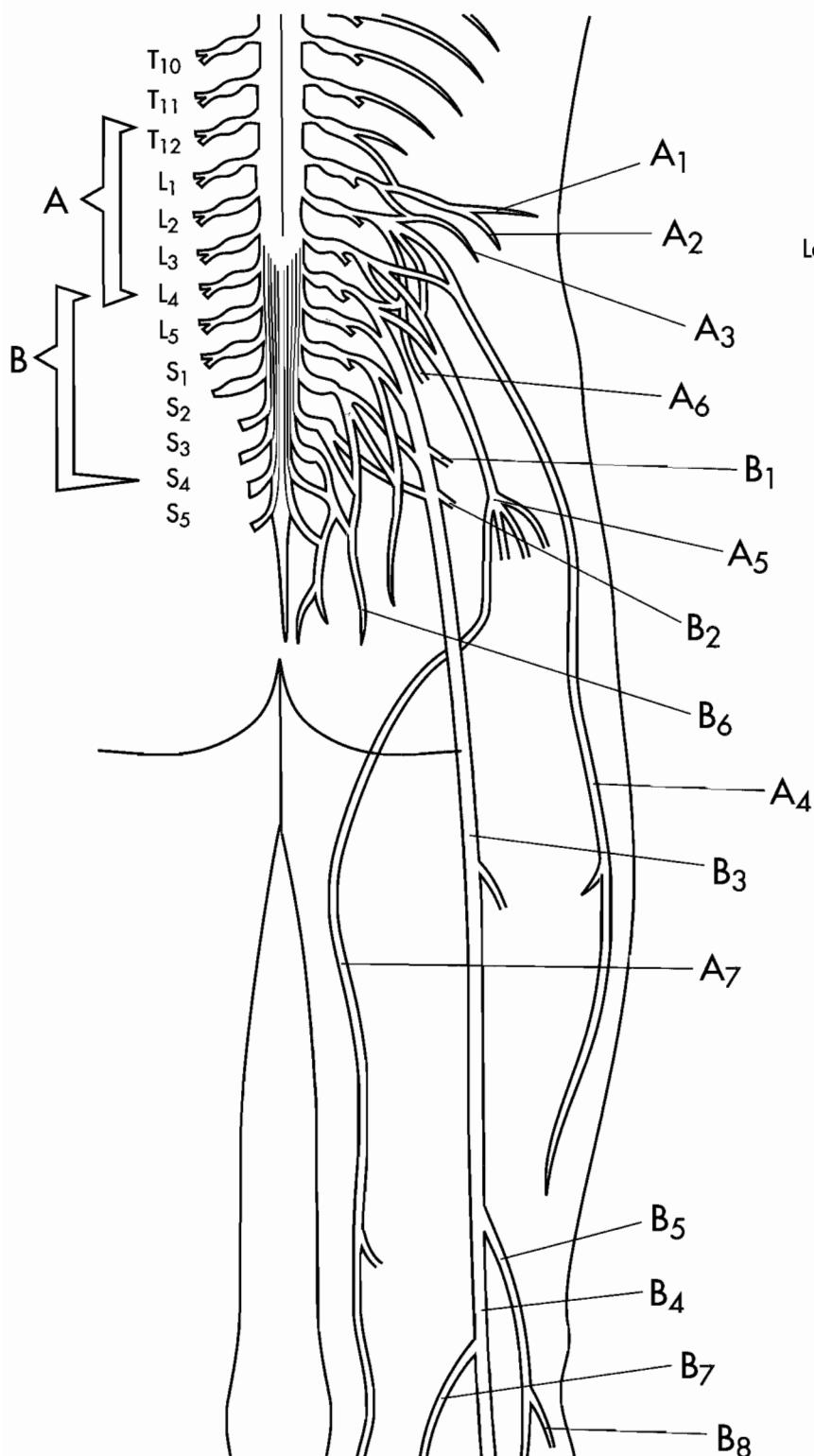


THE CERVICAL AND BRACHIAL PLEXUSES



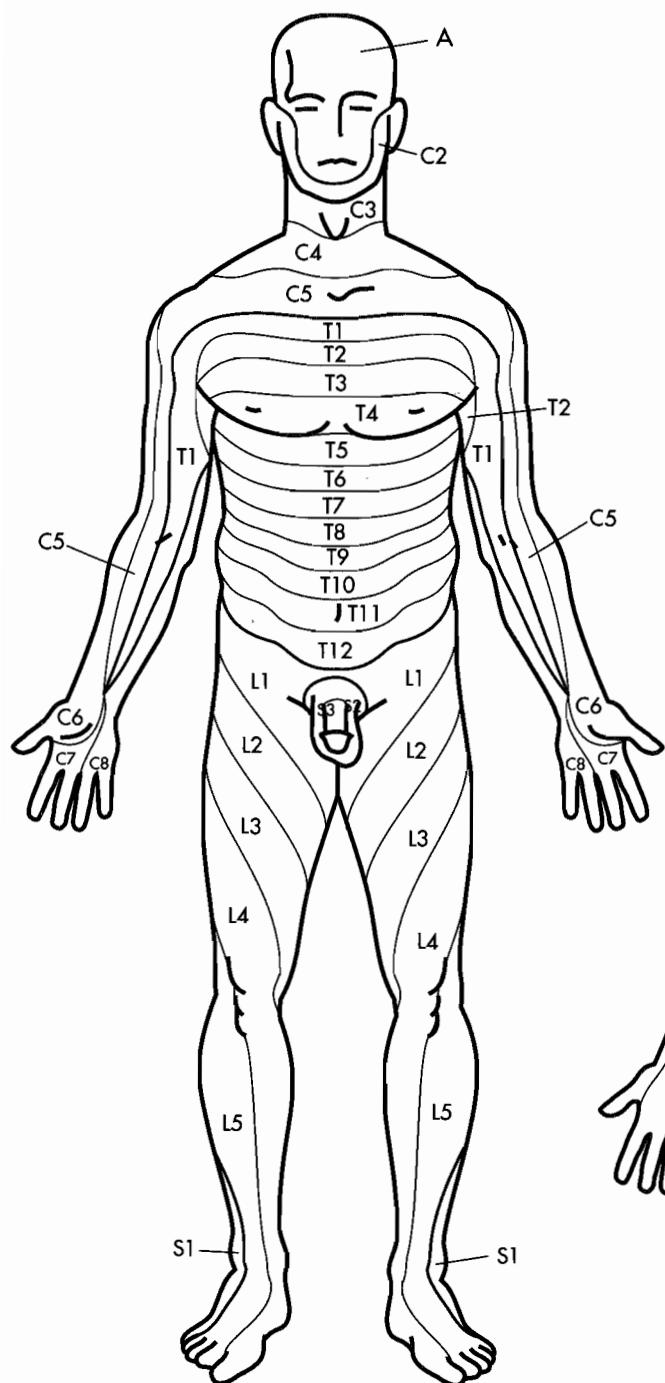
Cervical plexus	A	<input type="radio"/>
Ansa cervialis	A1	<input type="radio"/>
Lesser occipital	A2	<input type="radio"/>
Transverse cervical nerve	A3	<input type="radio"/>
Greater auricular nerve	A4	<input type="radio"/>
Suprascapular nerve	A5	<input type="radio"/>
Phrenic nerve	A6	<input type="radio"/>
Brachial plexus	B	<input type="radio"/>
Lateral cord	B1	<input type="radio"/>
Posterior cord	B2	<input type="radio"/>
Medial cord	B3	<input type="radio"/>
Axillary nerve	B4	<input type="radio"/>
Musculocutaneous nerve	B5	<input type="radio"/>
Radial nerve	B6	<input type="radio"/>
Median nerve	B7	<input type="radio"/>
Ulnar nerve	B8	<input type="radio"/>
Lumbar plexus	C	<input type="radio"/>
Sacral plexus	D	<input type="radio"/>
Ventral rami	E	<input type="radio"/>

THE LUMBAR AND SACRAL PLEXUSES



Lumbar plexus	A	<input type="radio"/>
Iliohypogastric nerve	A ₁	<input type="radio"/>
Ilioinguinal nerve	A ₂	<input type="radio"/>
Genitofemoral nerve	A ₃	<input type="radio"/>
Lateral femoral cutaneous nerve	A ₄	<input type="radio"/>
Femoral nerve	A ₅	<input type="radio"/>
Obturator nerve	A ₆	<input type="radio"/>
Saphenous nerve	A ₇	<input type="radio"/>
Sacral plexus	B	<input type="radio"/>
Superior gluteal nerve	B ₁	<input type="radio"/>
Inferior gluteal nerve	B ₂	<input type="radio"/>
Sciatic nerve	B ₃	<input type="radio"/>
Tibial nerve	B ₄	<input type="radio"/>
Perineal nerve	B ₅	<input type="radio"/>
Pudendal nerve	B ₆	<input type="radio"/>
Medial sural cutaneous nerve	B ₇	<input type="radio"/>
Lateral sural cutaneous nerve	B ₈	<input type="radio"/>

DERMATOMES



Anterior view

Cranial nerve V (trigeminal nerve)

A ○

Cervical dermatomes

C2-8 ○

Lumbar dermatomes

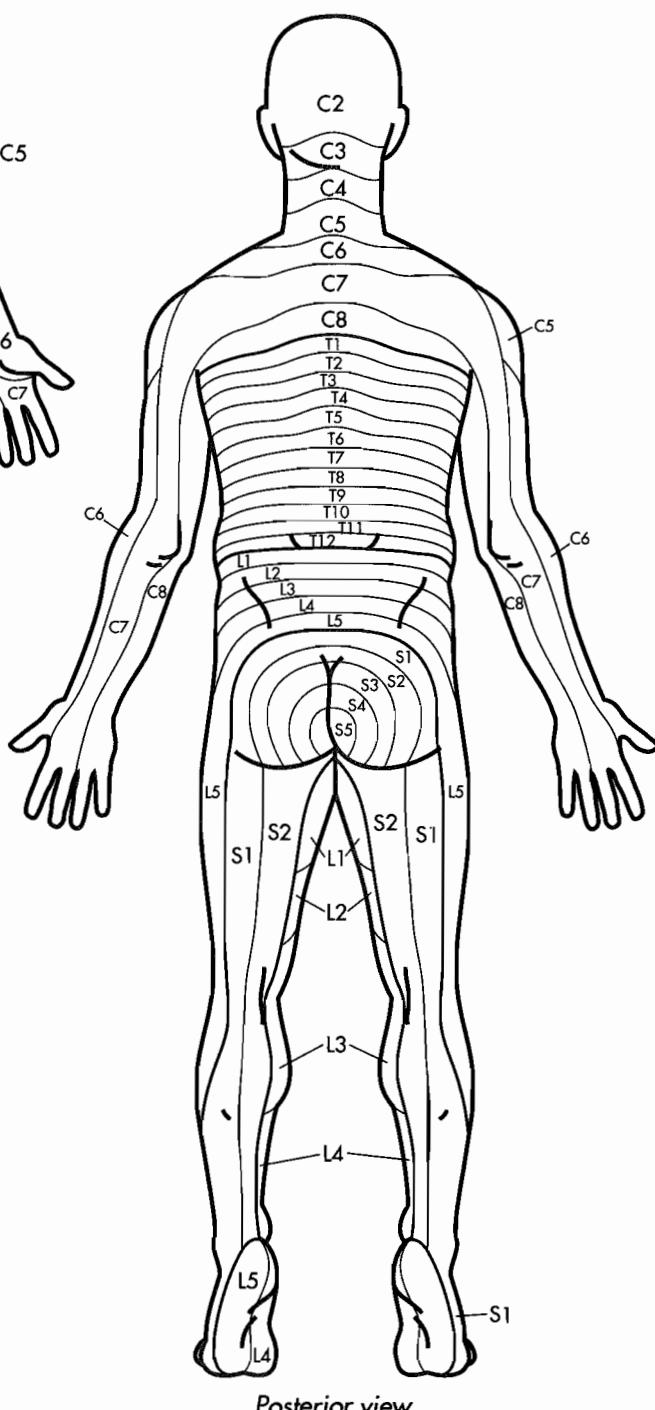
L1-5 ○

Sacral dermatomes

S1-5 ○

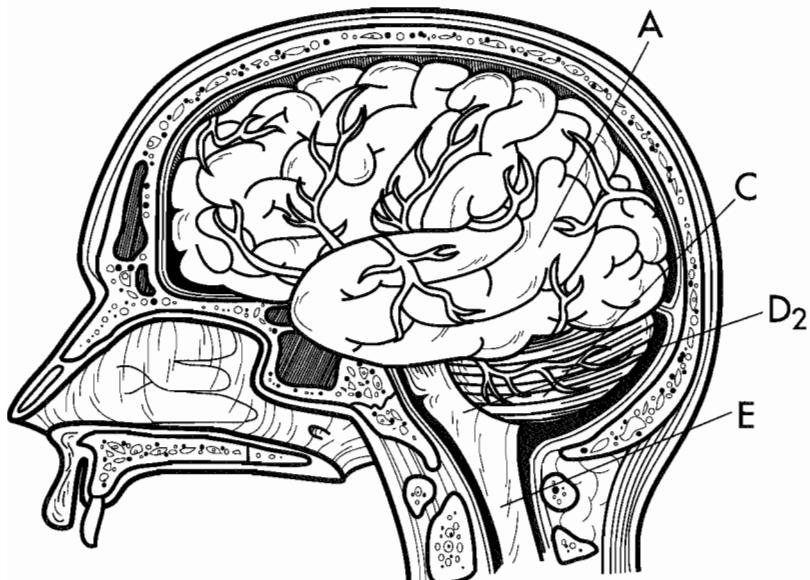
Thoracic dermatomes

T1-12 ○

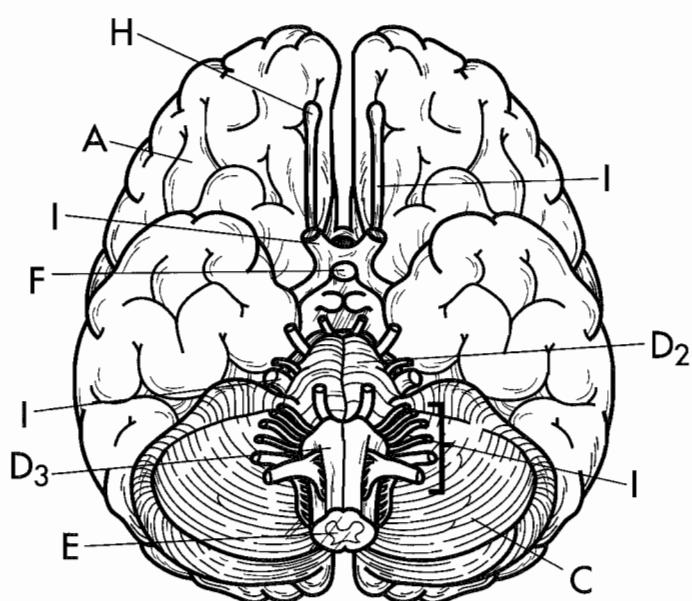
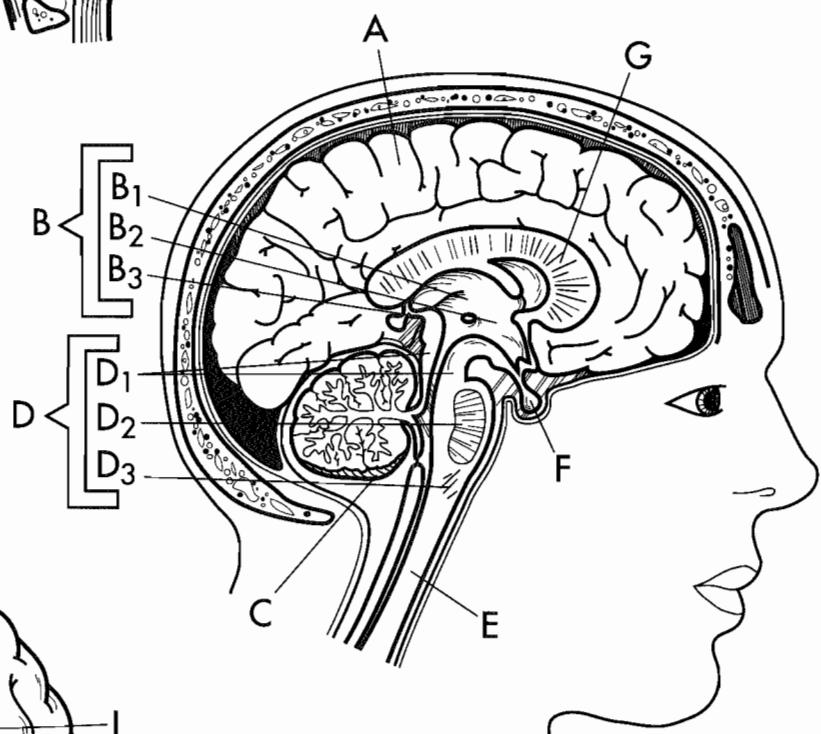


Posterior view

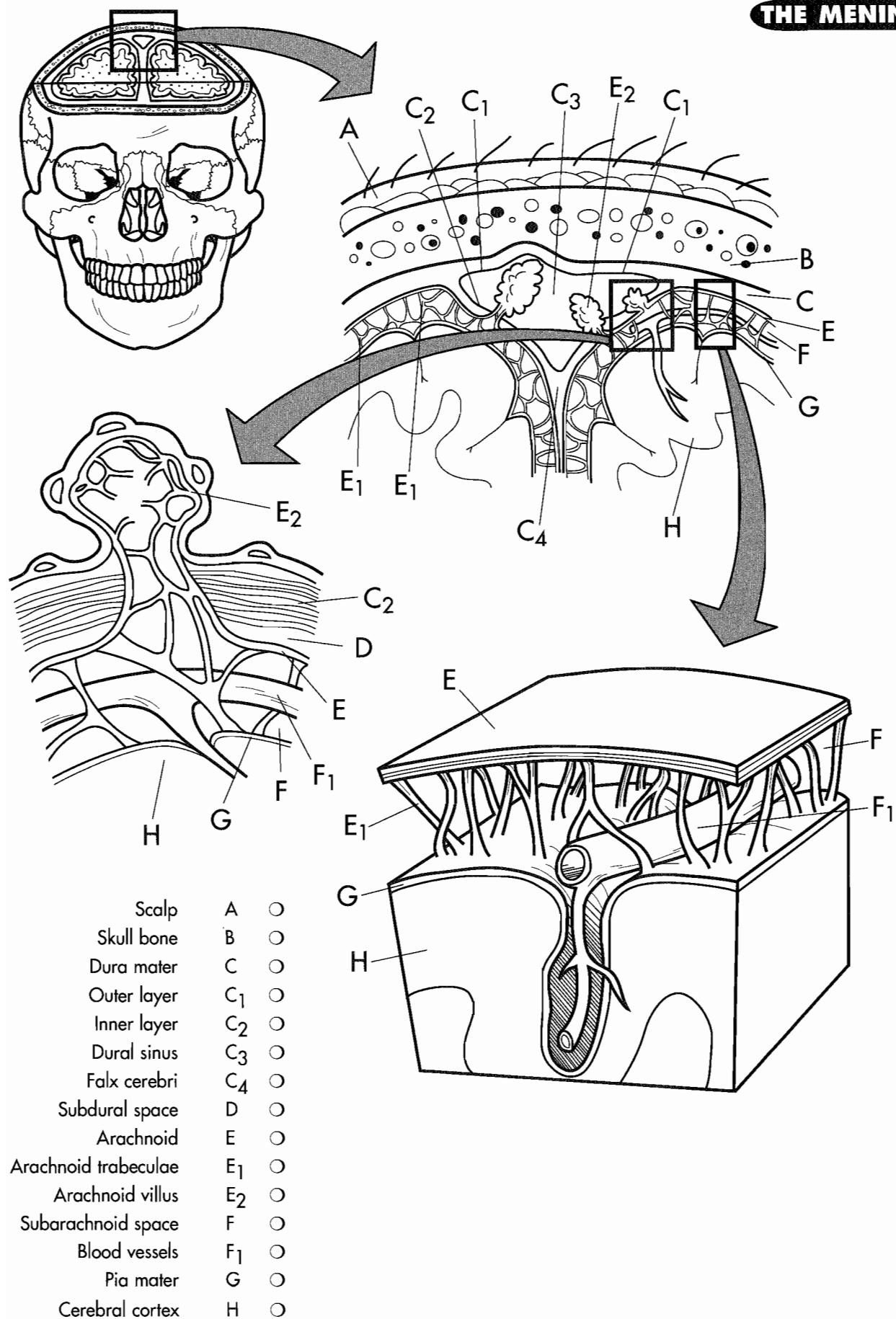
OVERVIEW OF THE BRAIN



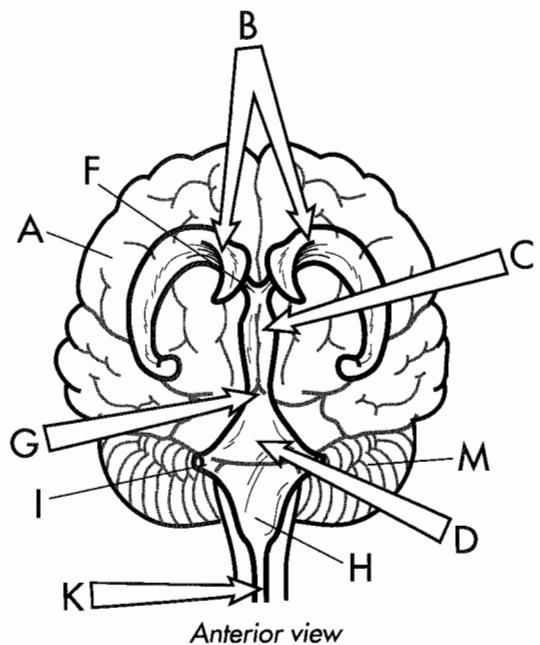
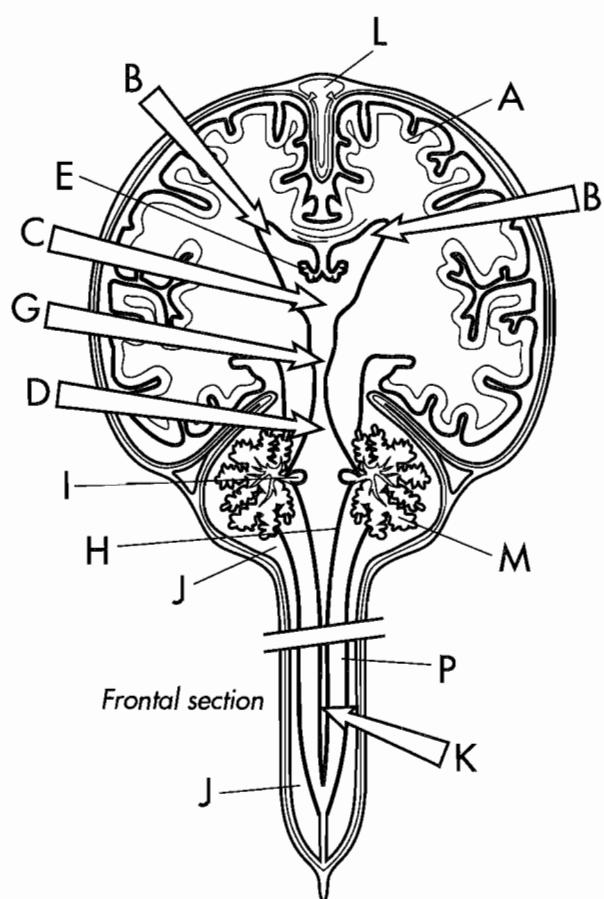
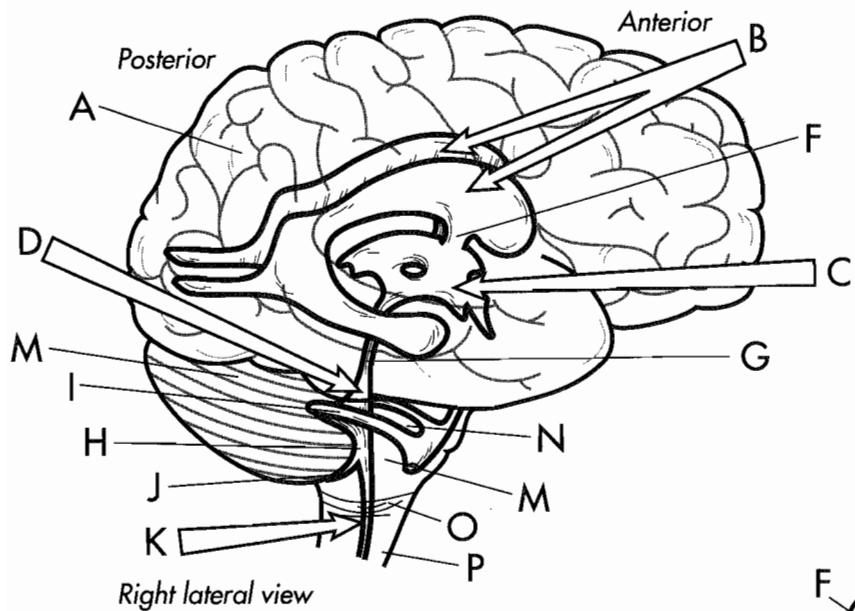
Cerebrum	A	<input type="radio"/>
Diencephalon	B	<input type="radio"/>
Thalamus	B ₁	<input type="radio"/>
Hypothalamus	B ₂	<input type="radio"/>
Epithalamus	B ₃	<input type="radio"/>
Cerebellum	C	<input type="radio"/>
Brain stem	D	<input type="radio"/>
Midbrain	D ₁	<input type="radio"/>
Pons	D ₂	<input type="radio"/>



Medulla oblongata	D ₃	<input type="radio"/>
Spinal cord	E	<input type="radio"/>
Pituitary gland	F	<input type="radio"/>
Corpus callosum	G	<input type="radio"/>
Olfactory bulbs	H	<input type="radio"/>
Cranial nerves	I	<input type="radio"/>

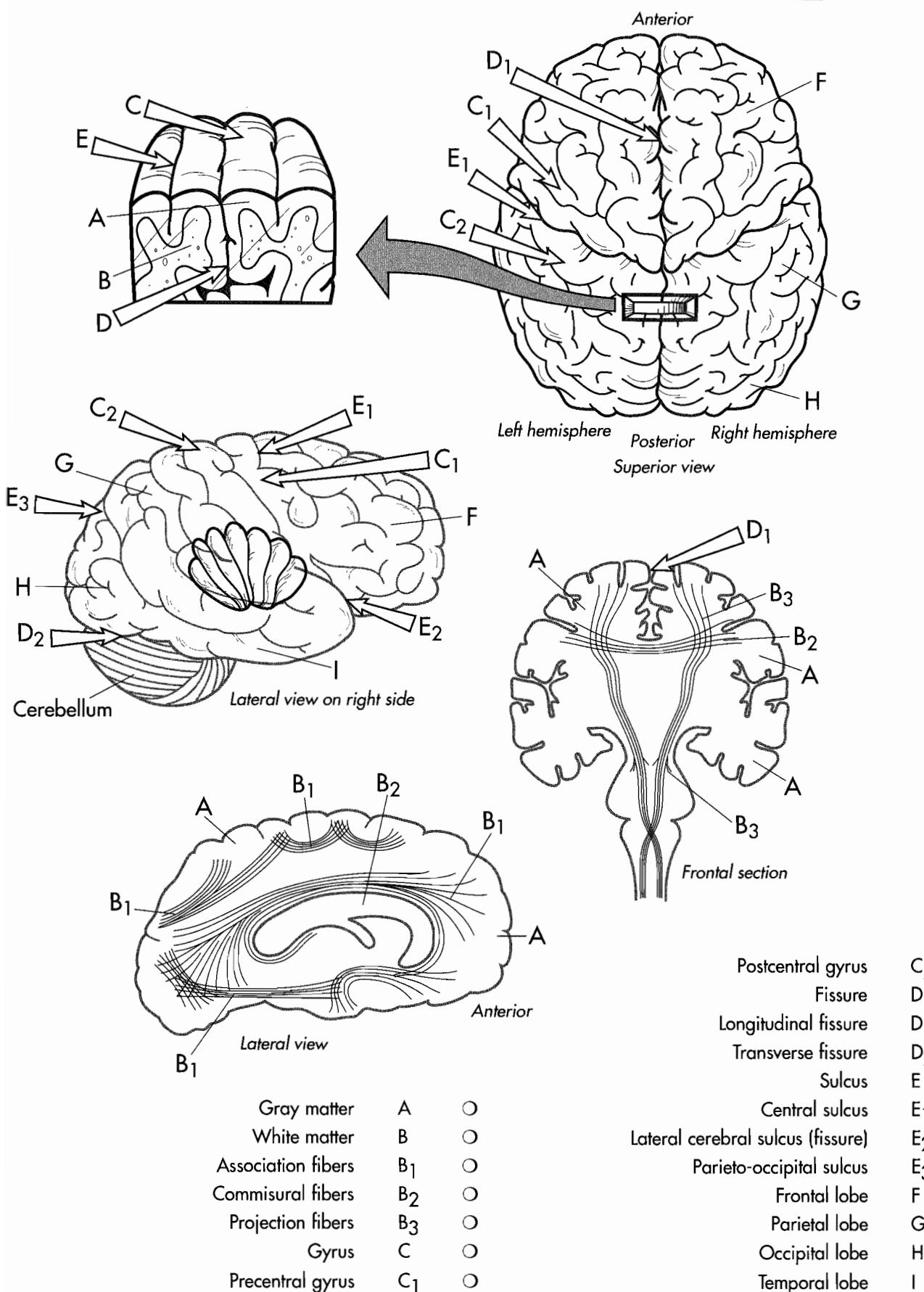


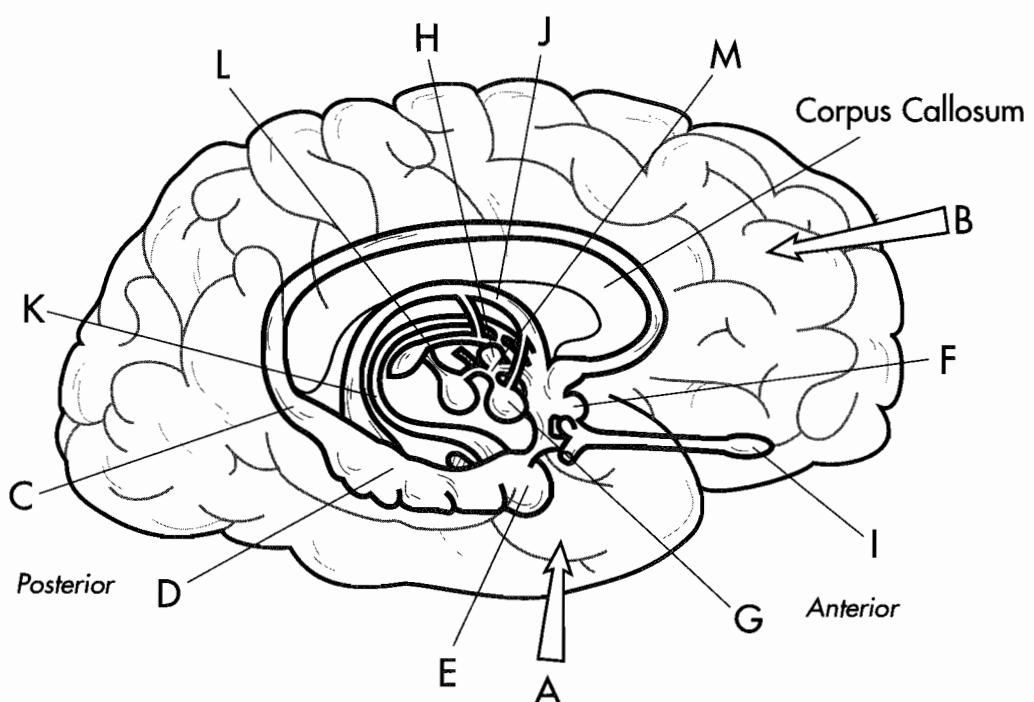
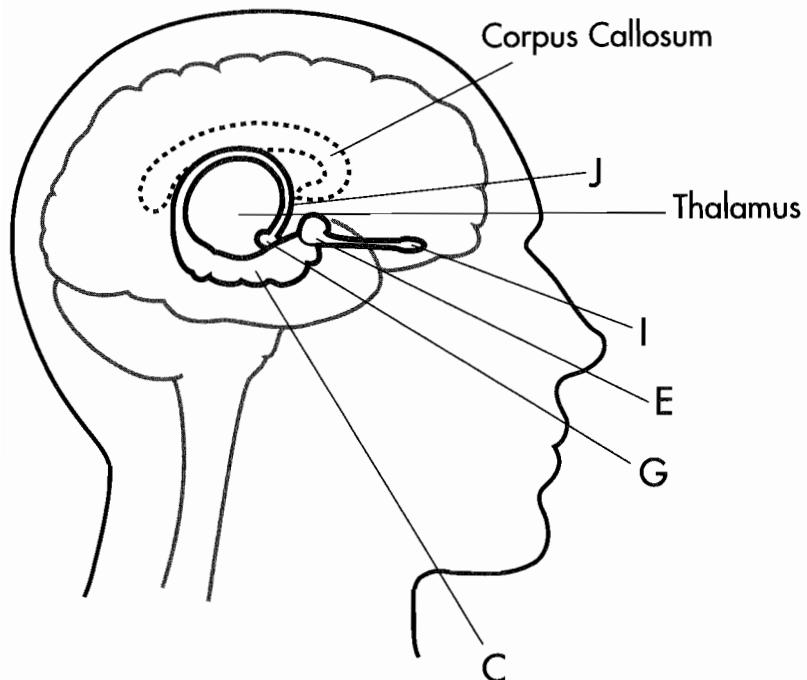
VENTRICLES OF THE BRAIN



Cerebrum	A	<input type="radio"/>
Lateral ventricles	B	<input type="radio"/>
Third ventricle	C	<input type="radio"/>
Fourth ventricle	D	<input type="radio"/>
Choroid plexus	E	<input type="radio"/>
Interventricular foramina	F	<input type="radio"/>
Cerebral aqueduct	G	<input type="radio"/>
Single median aperture	H	<input type="radio"/>
Lateral apertures	I	<input type="radio"/>
Subarachnoid space	J	<input type="radio"/>
Spinal cord central canal	K	<input type="radio"/>
Superior sagittal sinus	L	<input type="radio"/>
Cerebellum	M	<input type="radio"/>
Pons	N	<input type="radio"/>
Medulla oblongata	O	<input type="radio"/>
Spinal cord	P	<input type="radio"/>

THE CEREBRUM

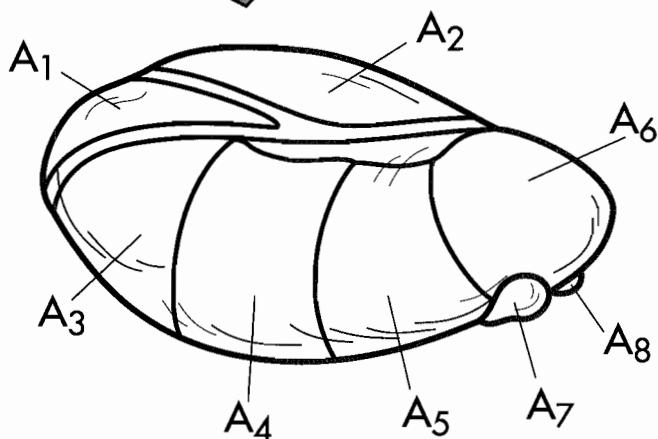
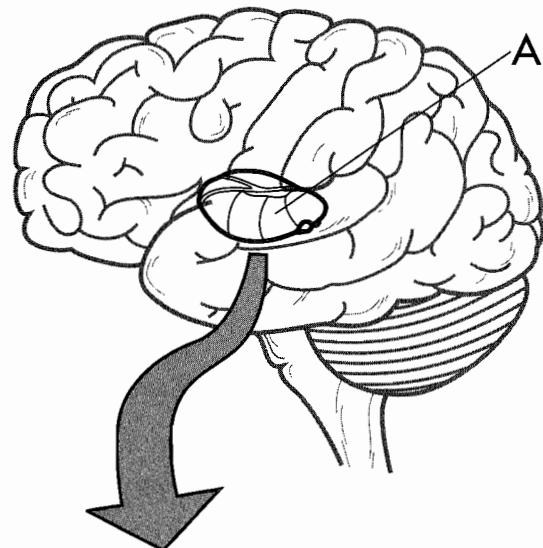




Parahippocampal gyrus	A	○
Singulate gyrus	B	○
Hippocampus	C	○
Dentate gyrus	D	○
Amygdala	E	○
Septal nuclei	F	○
Mammillary bodies	G	○

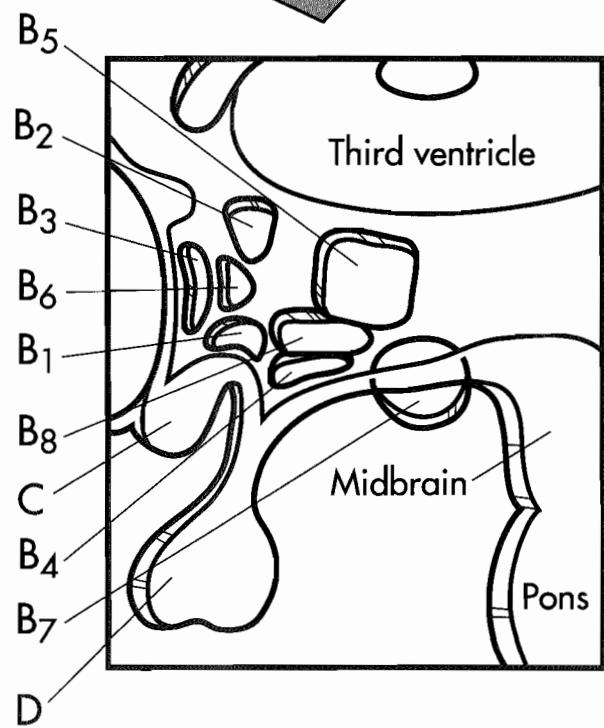
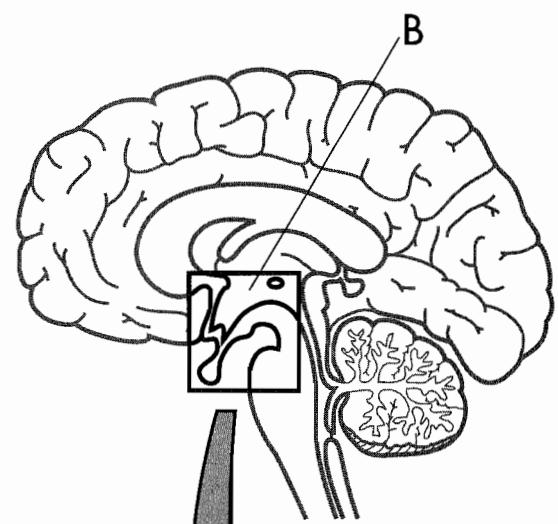
Anterior nucleus	H	○
Olfactory bulb	I	○
Fornix	J	○
Stria terminalis	K	○
Stria medullaris	L	○
Mammillothalamic tract	M	○

THE DIENCEPHALON

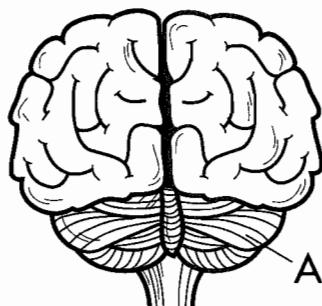


Lateral geniculate body	A ₇	<input type="radio"/>
Medial geniculate body	A ₈	<input type="radio"/>
Hypothalamus	B	<input type="radio"/>
Supraoptic nucleus	B ₁	<input type="radio"/>
Paraventricular nucleus	B ₂	<input type="radio"/>
Preoptic nucleus	B ₃	<input type="radio"/>
Tuberal region	B ₄	<input type="radio"/>
Sympathetic region	B ₅	<input type="radio"/>
Parasympathetic region	B ₆	<input type="radio"/>
Mammillary region	B ₇	<input type="radio"/>
Emotional center	B ₈	<input type="radio"/>
Infundibulum	C	<input type="radio"/>
Pituitary gland	D	<input type="radio"/>

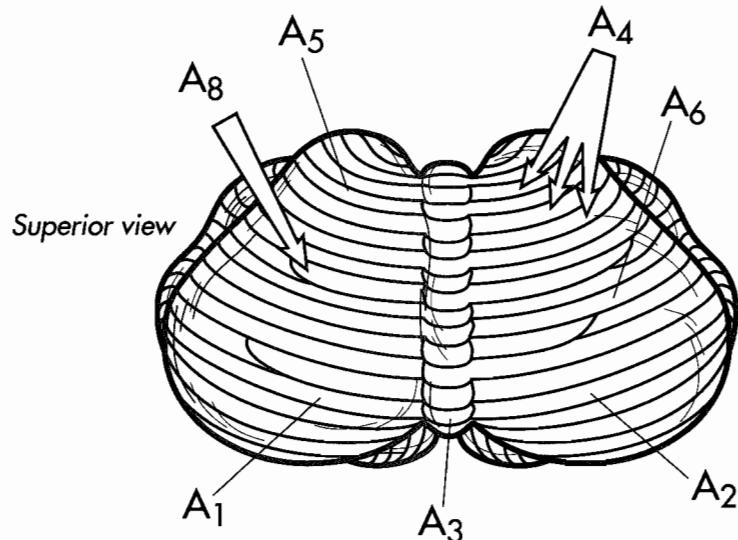
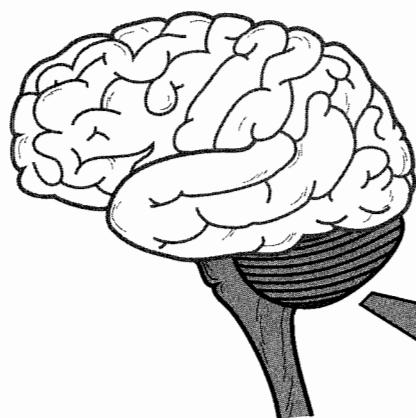
Thalamus	A	<input type="radio"/>
Anterior nucleus	A ₁	<input type="radio"/>
Medial nucleus	A ₂	<input type="radio"/>
Ventral anterior nucleus	A ₃	<input type="radio"/>
Ventral lateral nucleus	A ₄	<input type="radio"/>
Ventral posterior nucleus	A ₅	<input type="radio"/>
Pulvinar nucleus	A ₆	<input type="radio"/>



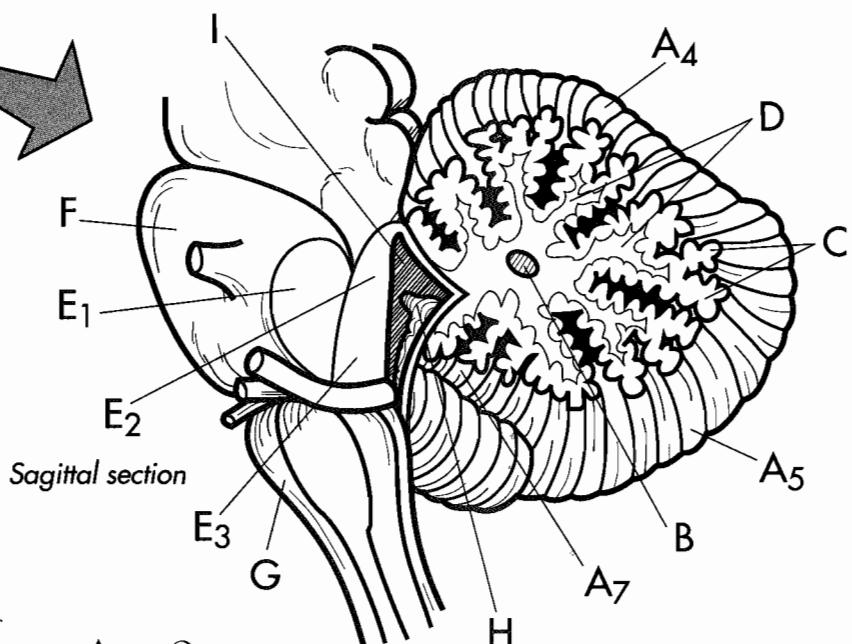
THE CEREBELLUM



Dorsal view of brain

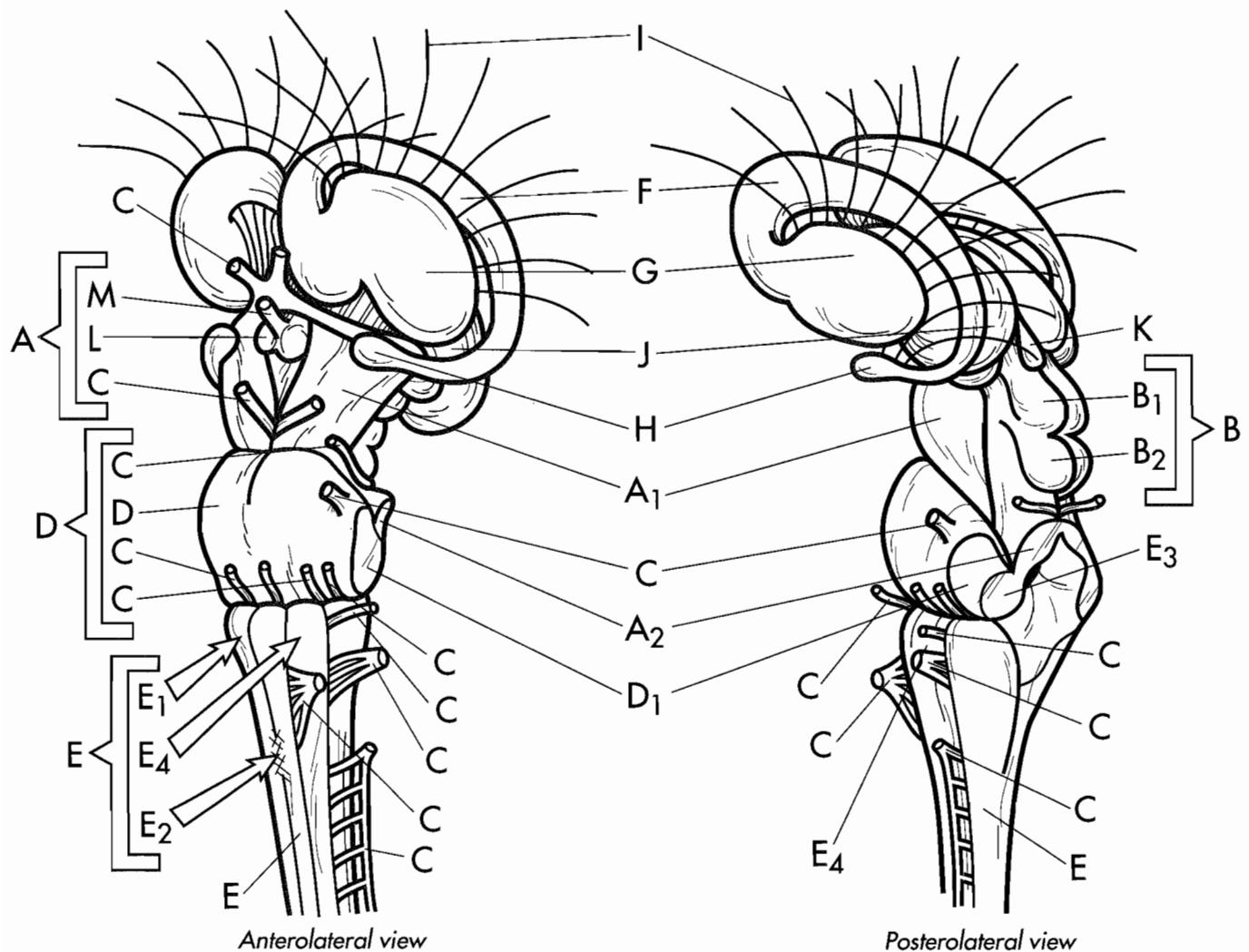


Superior view



Sagittal section

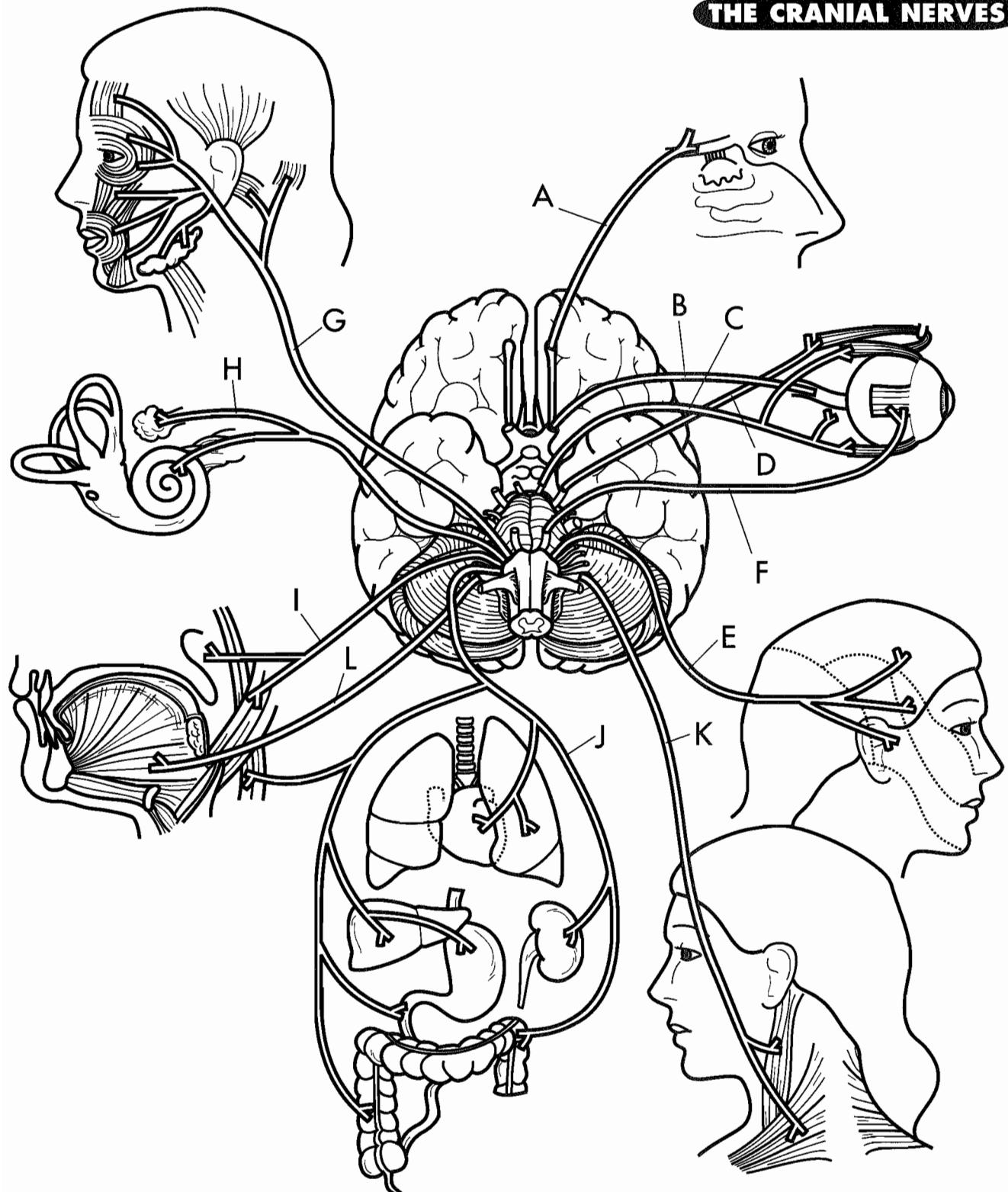
Cerebellum	A	O		
Left cerebellar hemisphere	A ₁	O		
Right cerebellar hemisphere	A ₂	O		
Vermis	A ₃	O		
Folia	A ₄	O		
Anterior lobe	A ₅	O		
Posterior lobe	A ₆	O		
Flocculonodular lobe	A ₇	O		
Primary fissure	A ₈	O		
Cerebellar nuclei	B	O		
Cortex of the cerebellum	C	O		
			Arbor vitae	D
			Superior cerebellar peduncles	E ₁
			Middle cerebellar peduncles	E ₂
			Inferior cerebellar peduncles	E ₃
			Pons	F
			Medulla	G
			Choroid plexus	H
			Fourth ventricle	I



Midbrain	A	○
Cerebral peduncles	A ₁	○
Superior cerebellar peduncles	A ₂	○
Corpora quadrigemina	B	○
Superior colliculi	B ₁	○
Inferior colliculi	B ₂	○
Cranial nerves	C	○
Pons	D	○
Middle cerebellar peduncles	D ₁	○
Medulla oblongata	E	○
Pyramids	E ₁	○

Decussation	E ₂	○
Inferior cerebellar peduncles	E ₃	○
Olives	E ₄	○
Caudate nucleus	F	○
Lentiform nucleus	G	○
Amygdala	H	○
Corona radiata	I	○
Thalamus	J	○
Pineal gland	K	○
Mamillary body	L	○
Infundibulum	M	○

THE CRANIAL NERVES



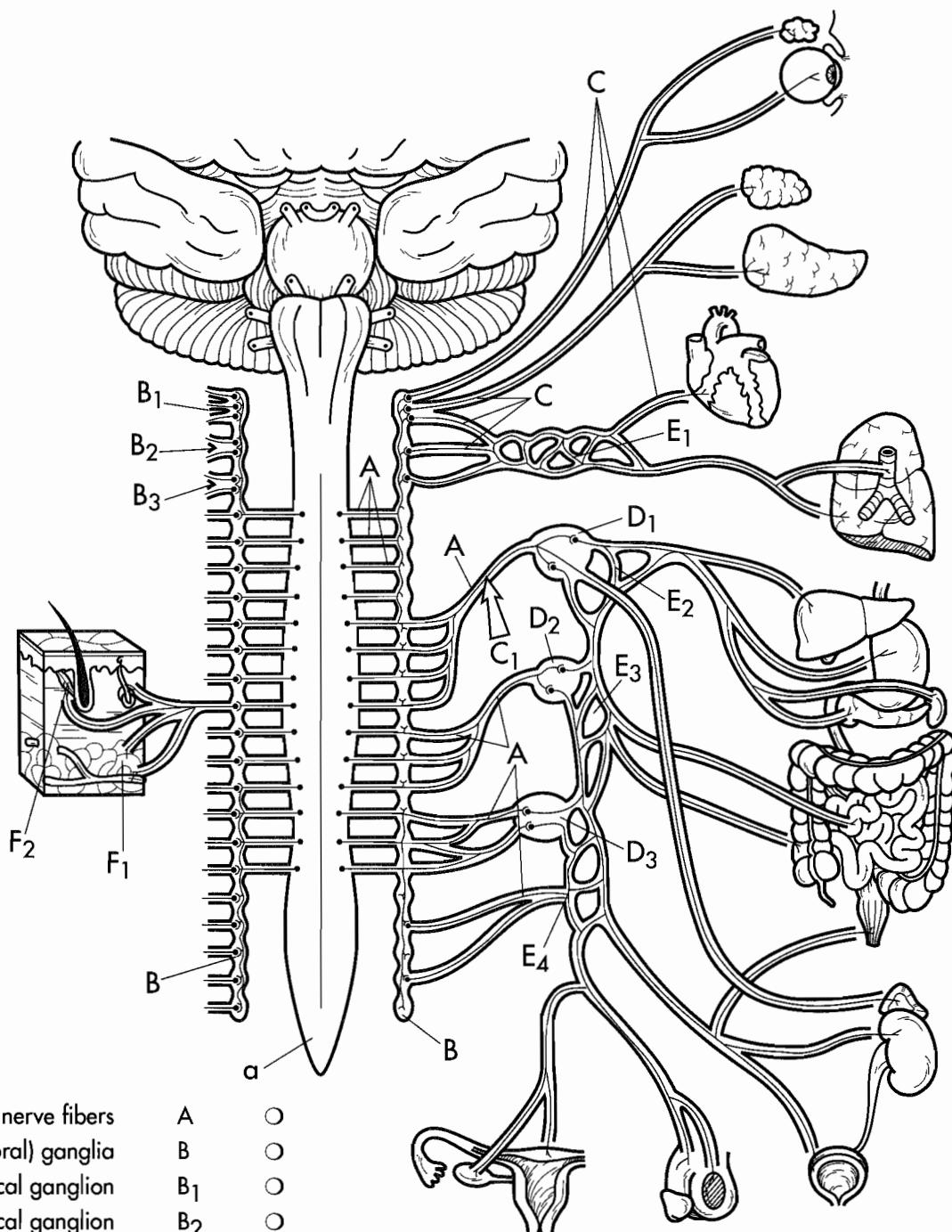
Olfactory nerve
Optic nerve
Oculomotor nerve
Trochlear nerve
Trigeminal nerve
Abducens nerve

A ○
B ○
C ○
D ○
E ○
F ○

Facial nerve
Vestibulocochlear nerve
Glossopharyngeal nerve
Vagus nerve
Spinal accessory
Hypoglossal nerve

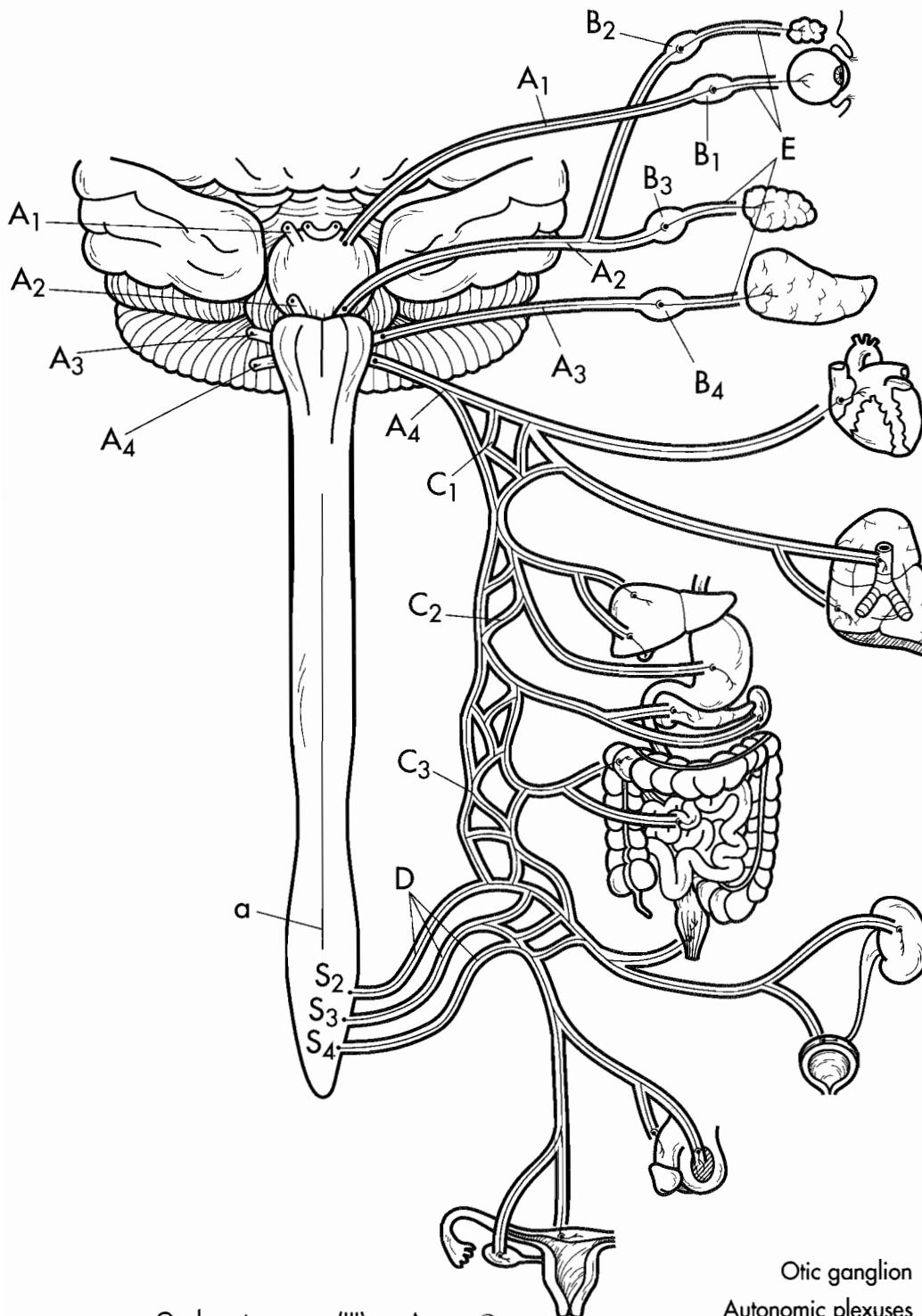
G ○
H ○
I ○
J ○
K ○
L ○

THE AUTONOMIC NERVOUS SYSTEM (SYMPATHETIC)



Preganglionic nerve fibers	A	O	
Sympathetic (vertebral) ganglia	B	O	
Superior cervical ganglion	B ₁	O	
Middle cervical ganglion	B ₂	O	
Inferior cervical ganglion	B ₃	O	
Postganglionic nerve fibers	C	O	
Splanchnic nerve	C ₁	O	
Collateral (Prevertebral) ganglia	D	O	
Celiac ganglion	D ₁	O	
Superior mesenteric ganglion	D ₂	O	
Inferior mesenteric ganglion	D ₃	O	
Plexuses	E	O	
Cardiopulmonary plexus	E ₁	O	
			Celiac plexus E ₂ O
			Superior mesenteric plexus E ₃ O
			Inferior mesenteric plexus E ₄ O
			Skin blood vessel F ₁ O
			Arrector pili muscle F ₂ O
			Spinal cord a O

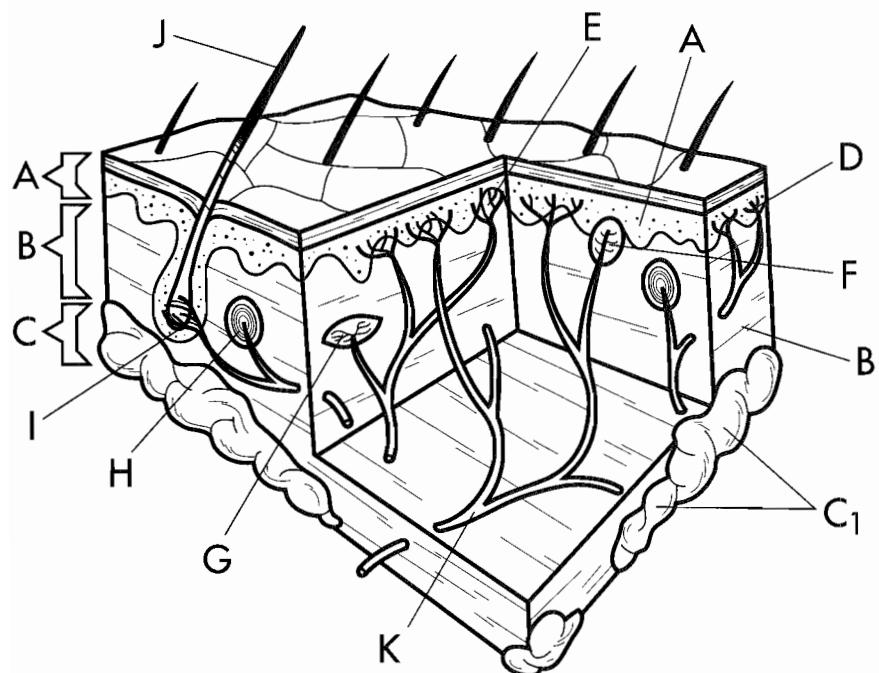
THE AUTONOMIC NERVOUS SYSTEM (PARASYMPATHETIC)



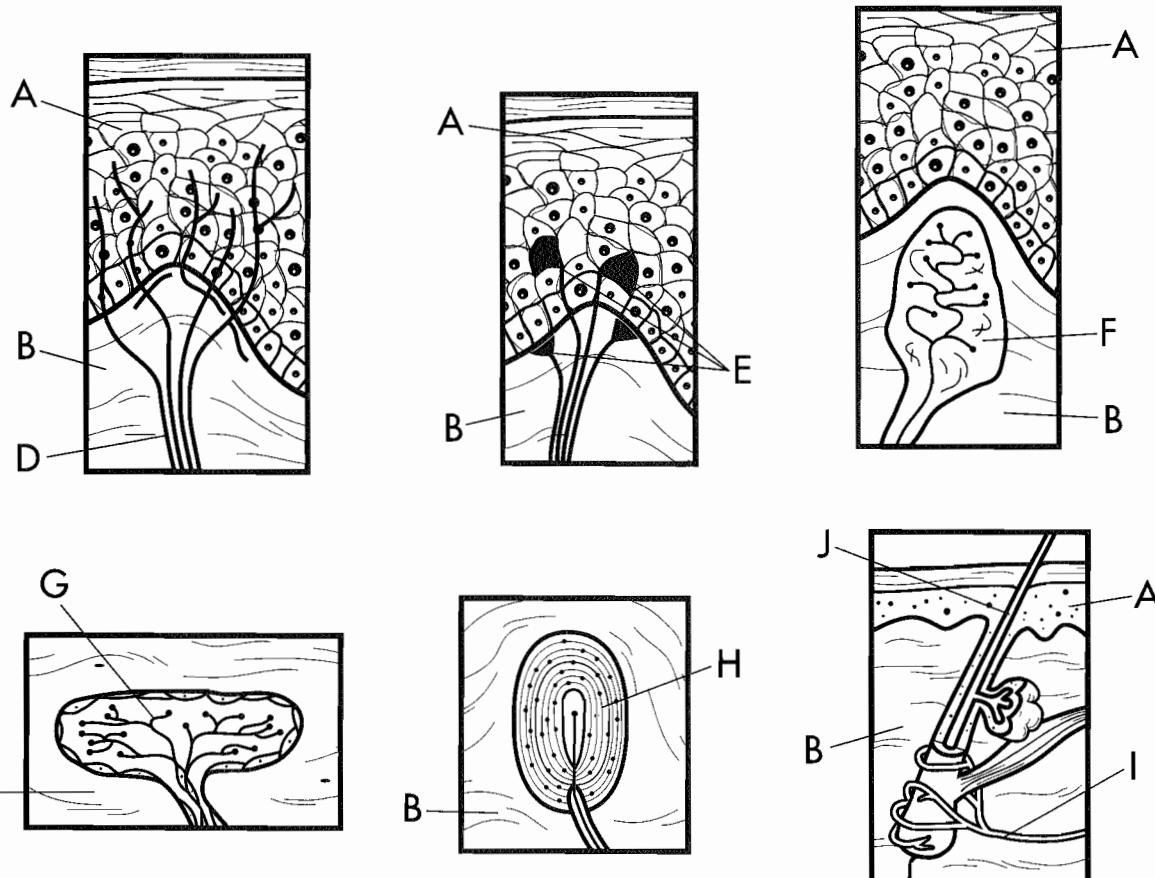
Oculomotor nerve (III)	A ₁	<input type="radio"/>
Facial nerve (VII)	A ₂	<input type="radio"/>
Glossopharyngeal nerve (IX)	A ₃	<input type="radio"/>
Vagus nerve (X)	A ₄	<input type="radio"/>
Terminal ganglia	B	<input type="radio"/>
Ciliary ganglion	B ₁	<input type="radio"/>
Pterygopalatine ganglion	B ₂	<input type="radio"/>
Submandibular ganglion	B ₃	<input type="radio"/>

Otic ganglion	B ₄	<input type="radio"/>
Autonomic plexuses	C	<input type="radio"/>
Cardiopulmonary plexus	C ₁	<input type="radio"/>
Celiac plexus	C ₂	<input type="radio"/>
Hypogastric plexus	C ₃	<input type="radio"/>
Pelvic splanchnic nerves	D	<input type="radio"/>
Postganglionic nerve fibers	E	<input type="radio"/>
Pelvic splanchnic nerves	D	<input type="radio"/>
Sacral nerves	S ₂ -S ₄	<input type="radio"/>
Spinal cord	a	<input type="radio"/>

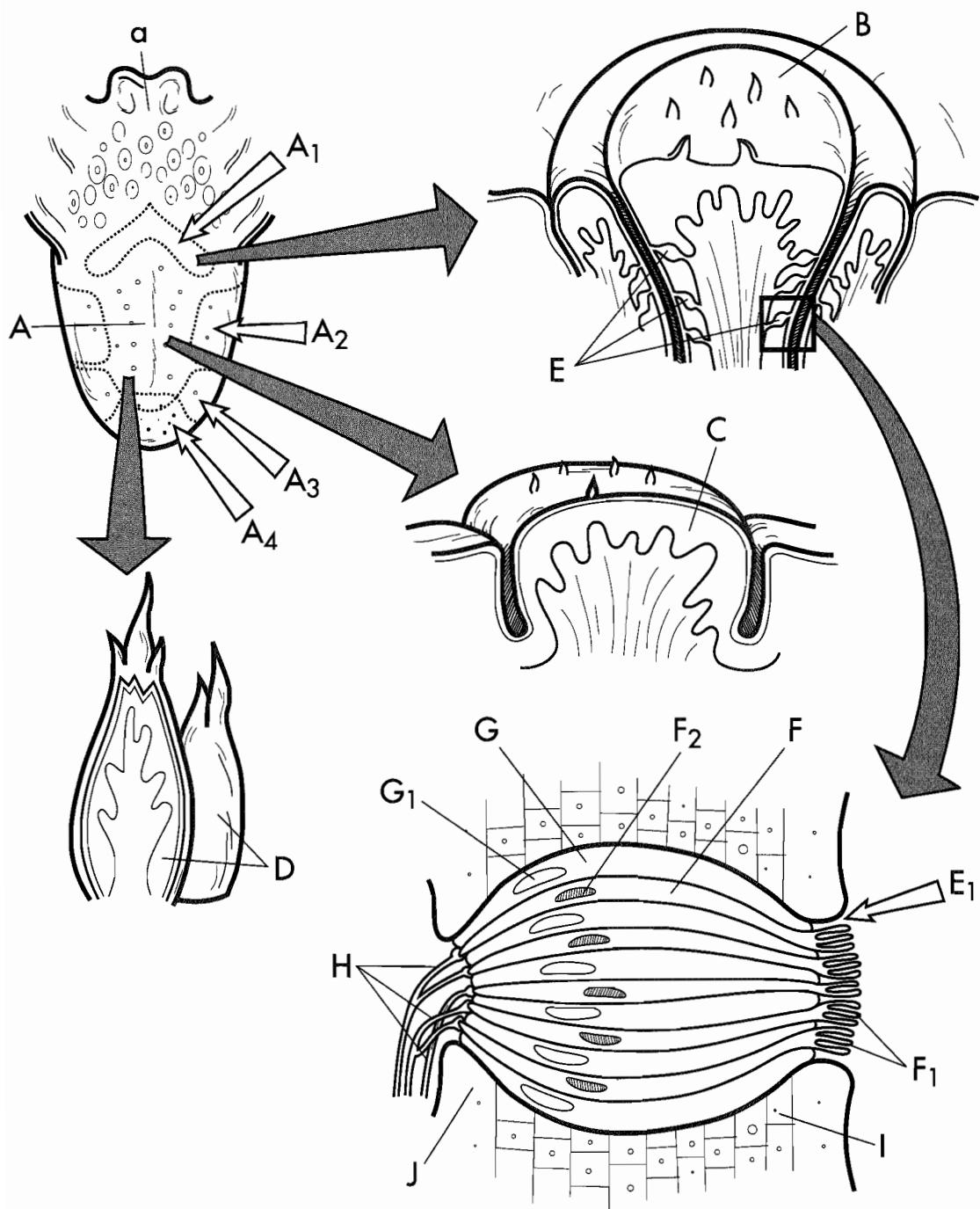
THE SENSE OF TOUCH (SKIN RECEPTORS)



Epidermis	A	<input type="radio"/>
Dermis	B	<input type="radio"/>
Hypodermis	C	<input type="radio"/>
Adipose tissue	C ₁	<input type="radio"/>
Free nerve ending	D	<input type="radio"/>
Merkel's corpuscles	E	<input type="radio"/>
Meissner's corpuscles	F	<input type="radio"/>
Ruffini's corpuscles	G	<input type="radio"/>
Pacinian corpuscles	H	<input type="radio"/>
Root hair plexus	I	<input type="radio"/>
Surface hair	J	<input type="radio"/>
Sensory nerve fiber	K	<input type="radio"/>



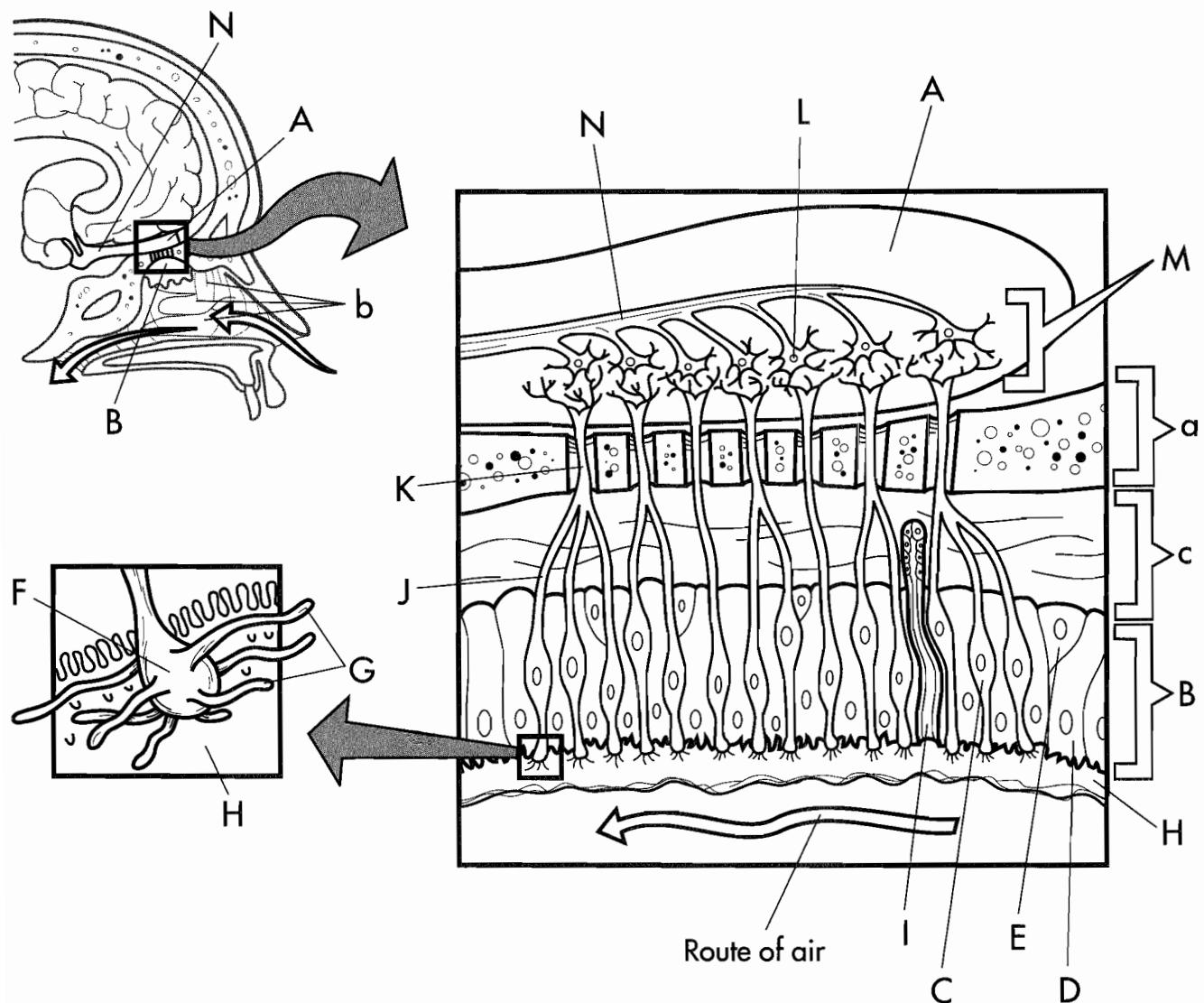
THE SENSE OF TASTE (GUSTATORY RECEPTORS)



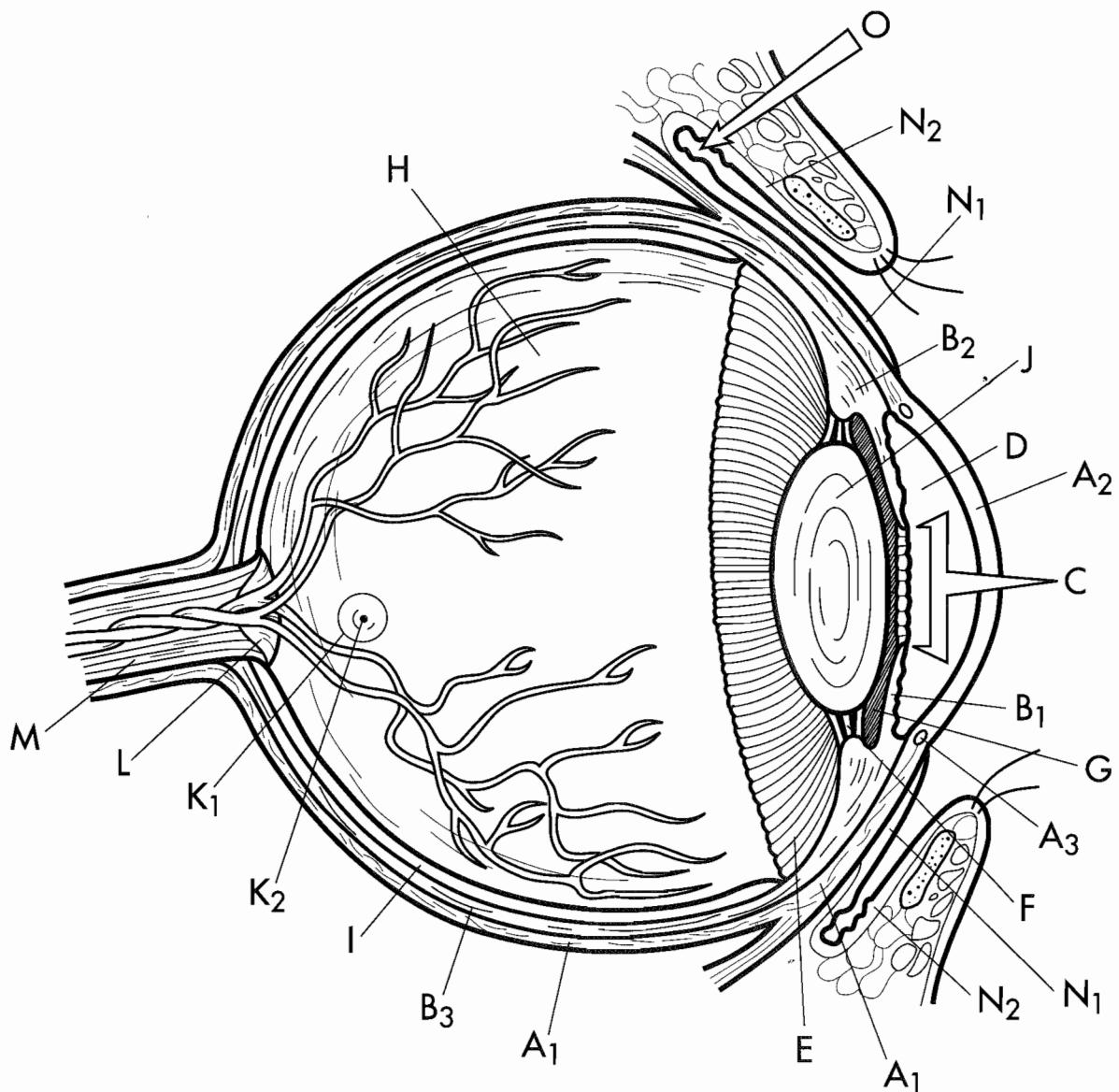
Tongue	A	○
Bitter taste	A ₁	○
Sour taste	A ₂	○
Salty taste	A ₃	○
Sweet taste	A ₄	○
Circumvallate papilla	B	○
Fungiform papilla	C	○
Filiform papilla	D	○
Taste bud	E	○

Pore	E ₁	○
Gustatory cell	F	○
Microvilli	F ₁	○
Nucleus	F ₂	○
Supporting cell	G	○
Supporting cell nucleus	G ₁	○
Cranial nerve	H	○
Epithelium	I	○
Connective tissue	J	○
Epiglottis	a	○

THE SENSE OF SMELL (OLFFACTORY RECEPTORS)

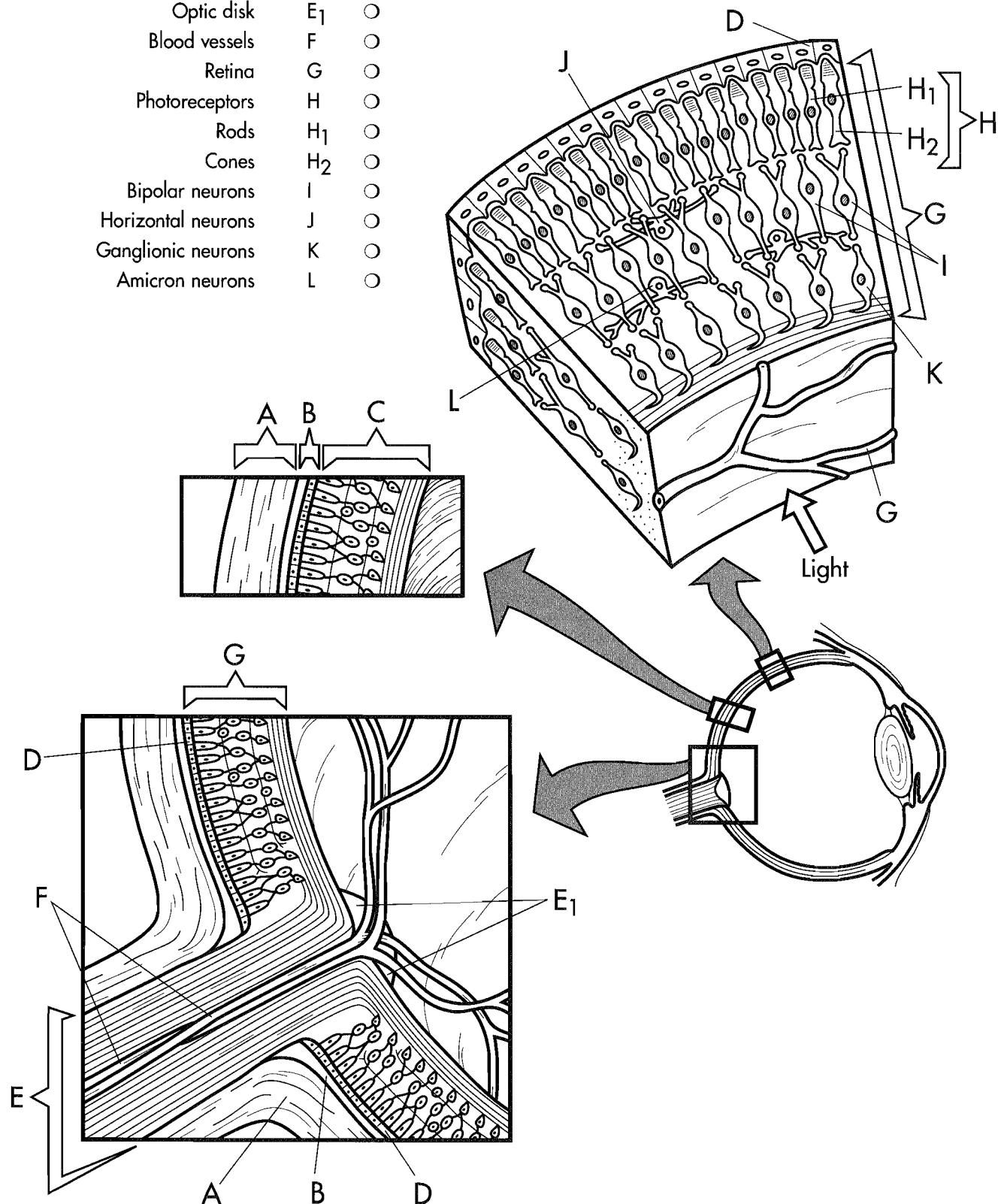


Olfactory bulb	A	<input type="radio"/>	Ethmoid bone	a	<input type="radio"/>
Olfactory epithelium	B	<input type="radio"/>	Nasal conchae	b	<input type="radio"/>
Olfactory receptor cells	C	<input type="radio"/>	Connective tissue (basal lamina)	c	<input type="radio"/>
Sustentacular cells	D	<input type="radio"/>			
Basal cells	E	<input type="radio"/>			
Olfactory knob	F	<input type="radio"/>			
Olfactory hairs	G	<input type="radio"/>			
Mucus layer	H	<input type="radio"/>			
Olfactory glands	I	<input type="radio"/>			
Axons	J	<input type="radio"/>			
Fiber bundles	K	<input type="radio"/>			
Mitral cell	L	<input type="radio"/>			
Glomerulus	M	<input type="radio"/>			
Olfactory tract	N	<input type="radio"/>			

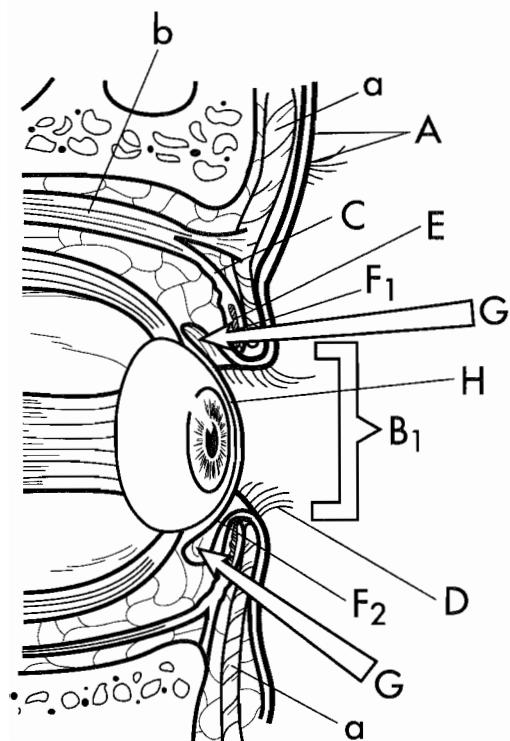


Sclera	A ₁	O	Vitreous chamber	H	O
Cornea	A ₂	O	Retina	I	O
Limbus	A ₃	O	Lens	J	O
Iris	B ₁	O	Macula lutea	K ₁	O
Ciliary body	B ₂	O	Fovea	K ₂	O
Choroid	B ₃	O	Optic disk	L	O
Pupil	C	O	Optic nerve	M	O
Anterior chamber	D	O	Ocular conjunctiva	N ₁	O
Ora serrata	E	O	Palpebral conjunctiva	N ₂	O
Suspensory ligaments	F	O	Fornix	O	O
Posterior chamber	G	O			

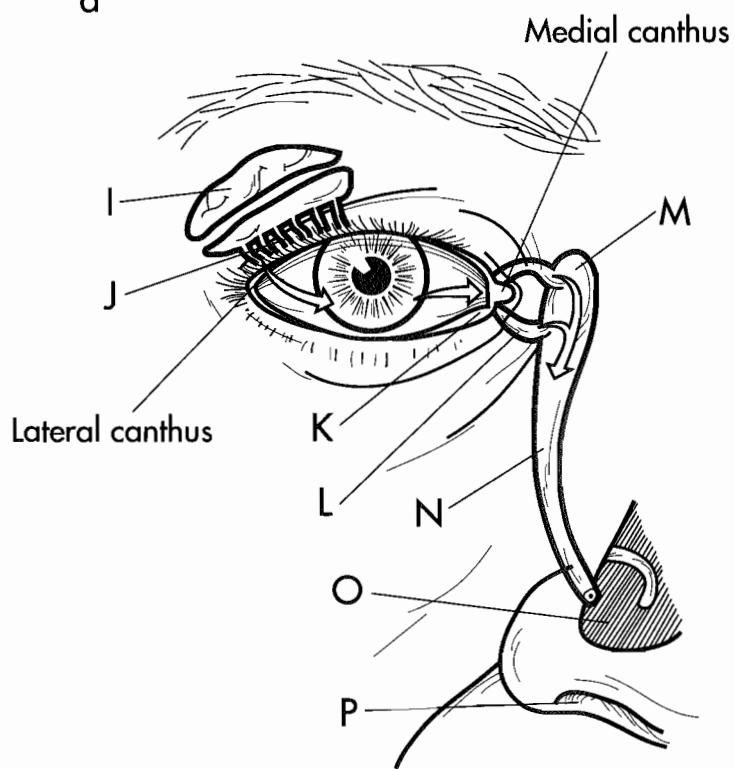
Fibrous tunic	A	O
Vascular tunic	B	O
Neural tunic	C	O
Pigmented layer	D	O
Optic nerve	E	O
Optic disk	E ₁	O
Blood vessels	F	O
Retina	G	O
Photoreceptors	H	O
Rods	H ₁	O
Cones	H ₂	O
Bipolar neurons	I	O
Horizontal neurons	J	O
Ganglionic neurons	K	O
Amicron neurons	L	O

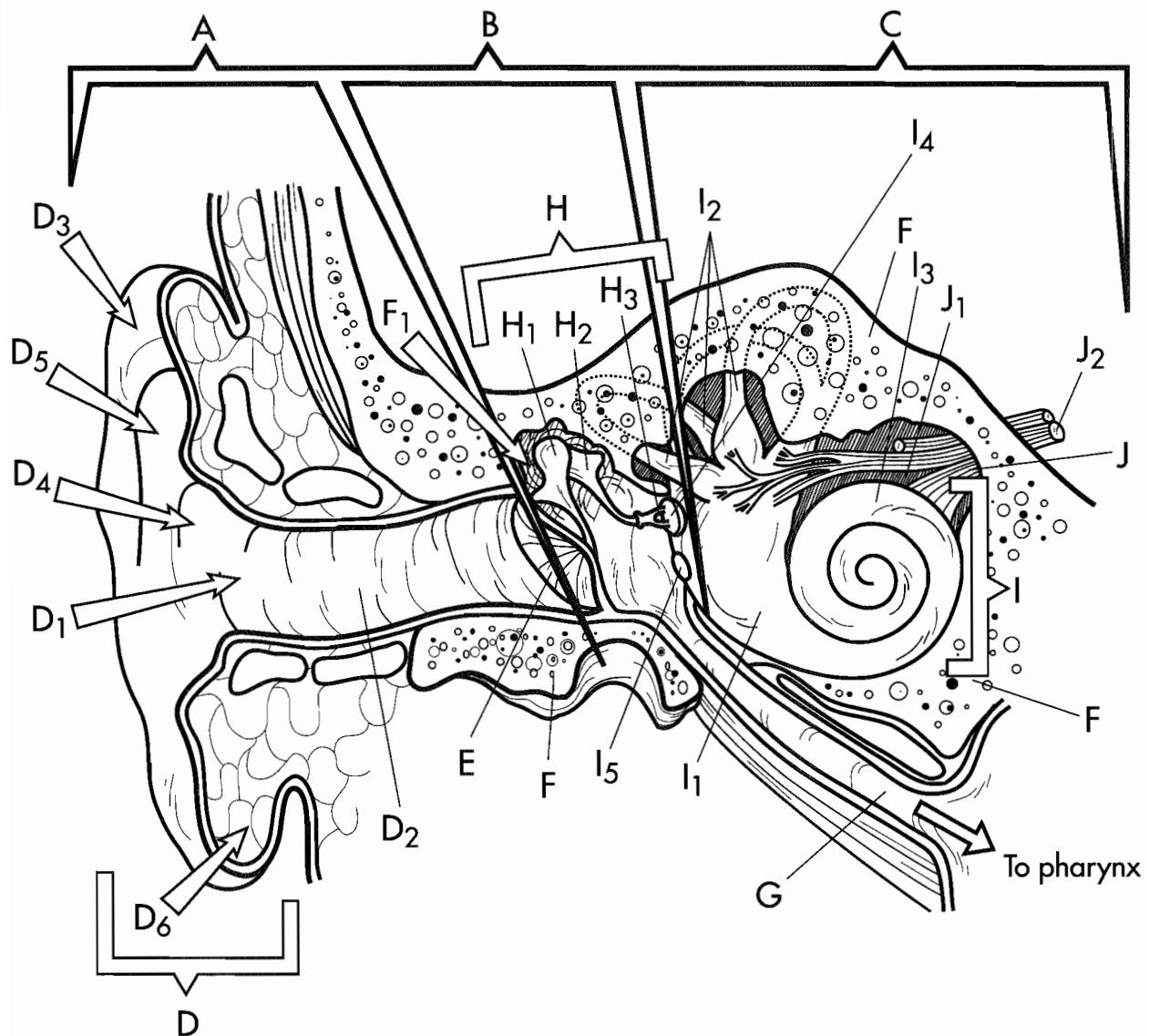


ACCESSORY STRUCTURES OF THE EYE



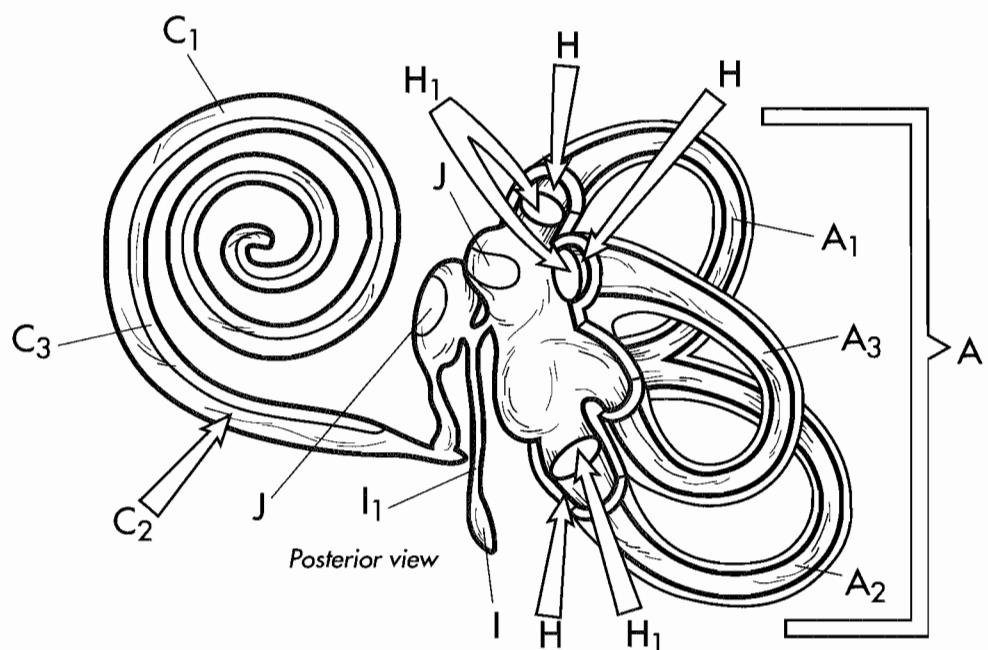
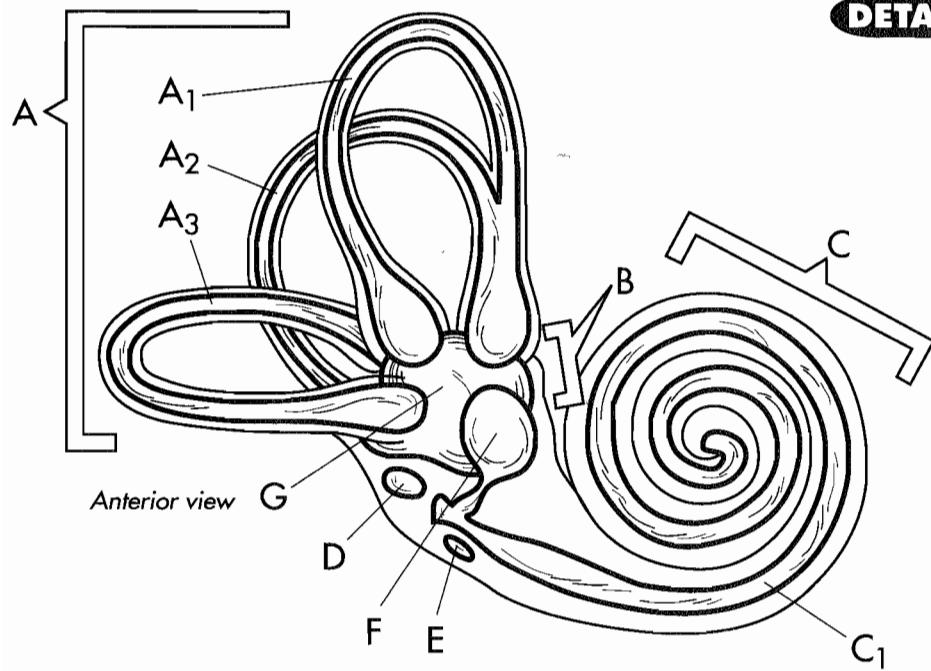
Eyebrows	A	<input type="radio"/>
Palpebral fissure	B ₁	<input type="radio"/>
Tarsal plates	C	<input type="radio"/>
Eyelashes	D	<input type="radio"/>
Meibomian glands	E	<input type="radio"/>
Palpebral cornea	F ₁	<input type="radio"/>
Ocular conjunctiva	F ₂	<input type="radio"/>
Conjunctival sac (fornix)	G	<input type="radio"/>
Cornea	H	<input type="radio"/>
Lacrimal gland	I	<input type="radio"/>
Excretory ducts	J	<input type="radio"/>
Lacrimal punctum	K	<input type="radio"/>
Lacrimal canal	L	<input type="radio"/>
Lacrimal sac	M	<input type="radio"/>
Nasolacrimal duct	N	<input type="radio"/>
Inferior meatus	O	<input type="radio"/>
External nasal meatus	P	<input type="radio"/>
Orbicularis oculi	a	<input type="radio"/>
Levator palpebrae superioris	b	<input type="radio"/>





External ear	A	<input type="radio"/>	Auditory ossicles	H	<input type="radio"/>
Middle ear	B	<input type="radio"/>	Malleus	H ₁	<input type="radio"/>
Internal ear	C	<input type="radio"/>	Incus	H ₂	<input type="radio"/>
Pinna	D	<input type="radio"/>	Stapes	H ₃	<input type="radio"/>
Concha	D ₁	<input type="radio"/>	Bony labyrinth	I	<input type="radio"/>
External auditory canal	D ₂	<input type="radio"/>	Vestibule	I ₁	<input type="radio"/>
Helix	D ₃	<input type="radio"/>	Semicircular canals	I ₂	<input type="radio"/>
Antihelix	D ₄	<input type="radio"/>	Cochlea	I ₃	<input type="radio"/>
Scapha	D ₅	<input type="radio"/>	Oval window	I ₄	<input type="radio"/>
Earlobe (lobule)	D ₆	<input type="radio"/>	Round window	I ₅	<input type="radio"/>
Tympanic membrane	E	<input type="radio"/>	Vestibulocochlear nerve	J	<input type="radio"/>
Temporal bone	F	<input type="radio"/>	Vestibular branch	J ₁	<input type="radio"/>
Tympanic cavity	F ₁	<input type="radio"/>	Cochlear branch	J ₂	<input type="radio"/>
Eustachian tube	G	<input type="radio"/>			

DETAILS OF THE INNER EAR



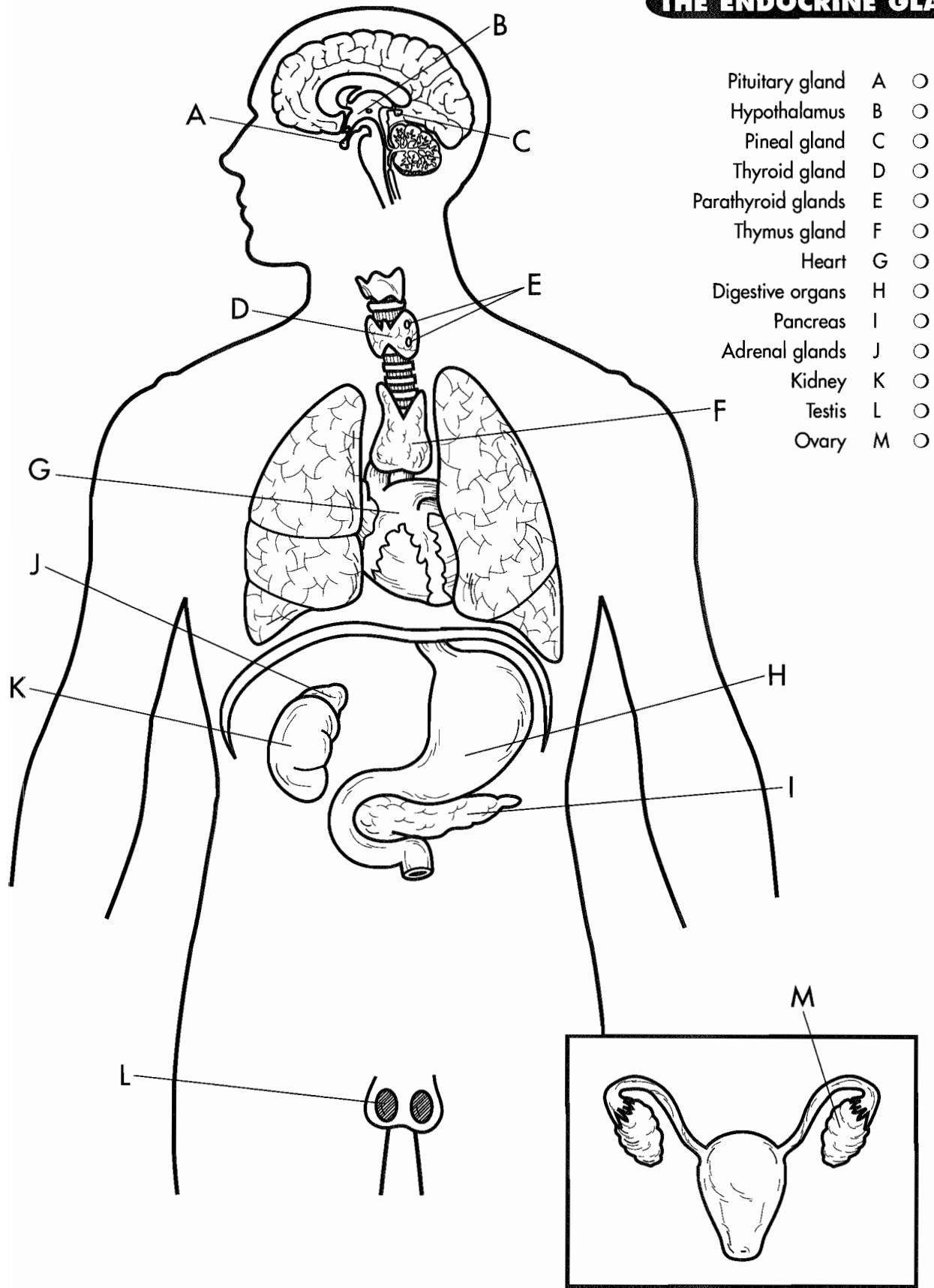
Semicircular canals	A	<input type="radio"/>
Anterior canal	A1	<input type="radio"/>
Posterior canal	A2	<input type="radio"/>
Lateral canal	A3	<input type="radio"/>
Vestibule	B	<input type="radio"/>
Cochlea	C	<input type="radio"/>
Cochlear duct	C1	<input type="radio"/>
Basilar membrane	C2	<input type="radio"/>

Organ of corti	C3	<input type="radio"/>
Oval window	D	<input type="radio"/>
Round window	E	<input type="radio"/>
Saccule	F	<input type="radio"/>
Utricle	G	<input type="radio"/>
Ampulla	H	<input type="radio"/>
Cristae	H1	<input type="radio"/>
Endolymph sac	I	<input type="radio"/>
Endolymph duct	I1	<input type="radio"/>
Macula	J	<input type="radio"/>

CHAPTER SIX:

the ENDOCRINE SYSTEM

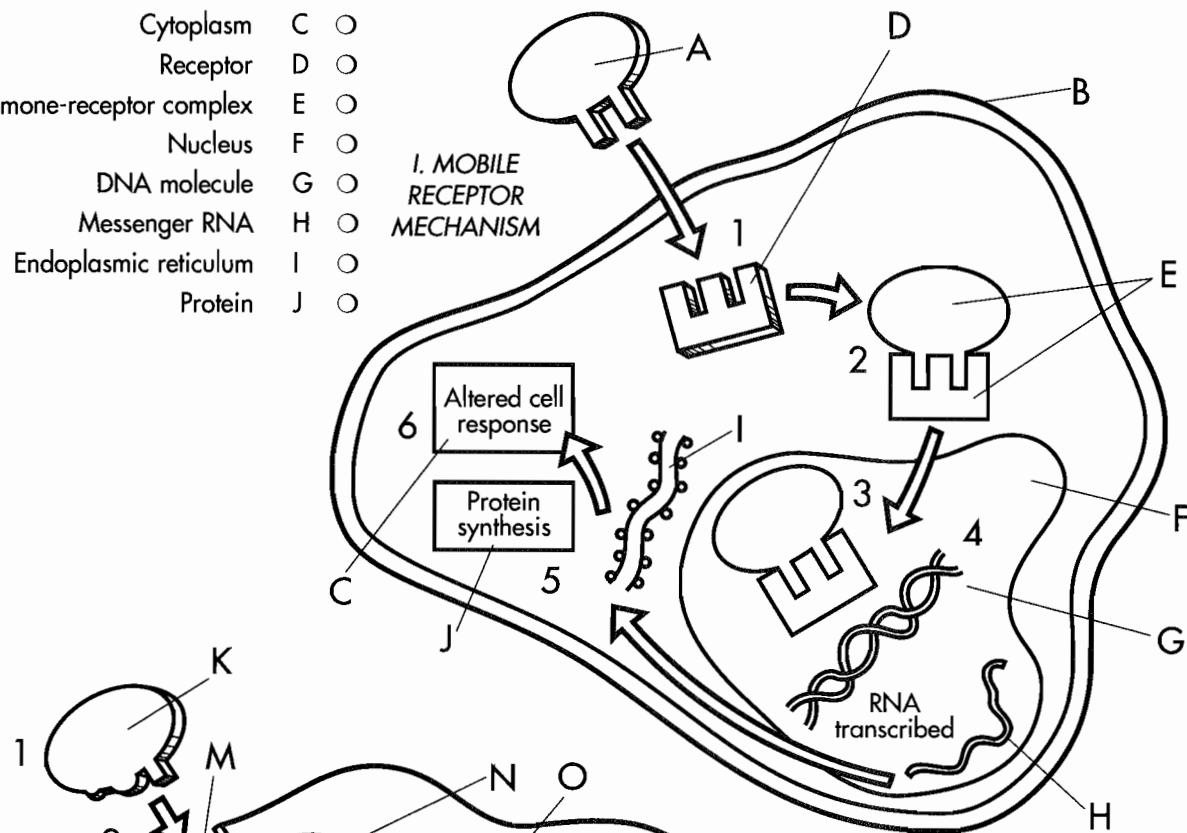
THE ENDOCRINE GLANDS



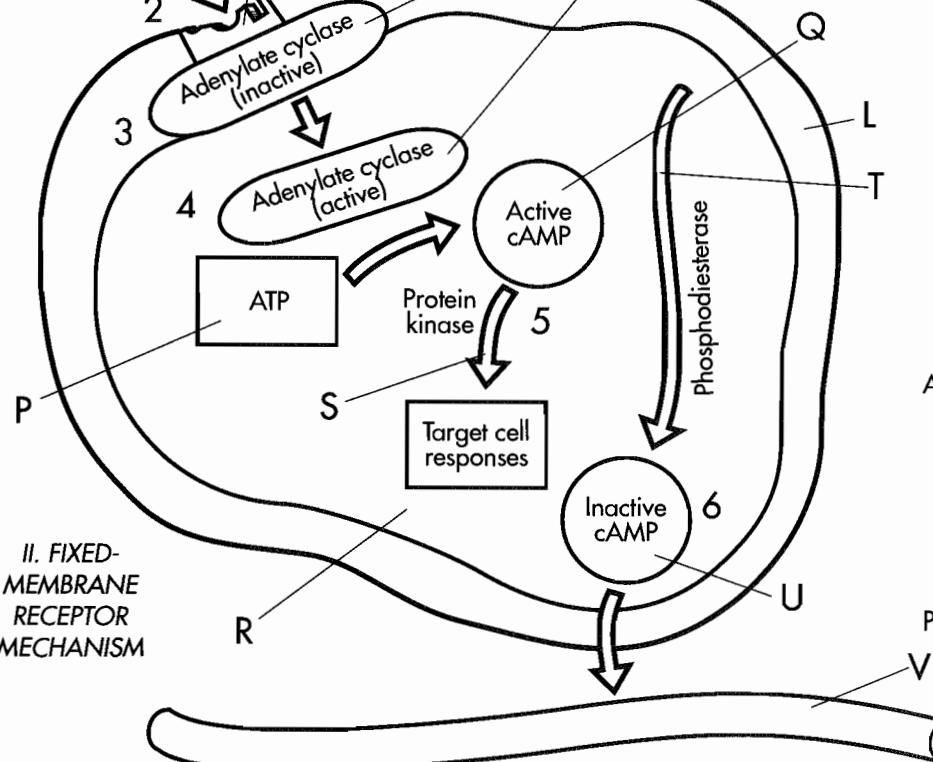
HORMONE ACTIVITY

Steroid hormone	A
Membrane	B
Cytoplasm	C
Receptor	D
Hormone-receptor complex	E
Nucleus	F
DNA molecule	G
Messenger RNA	H
Endoplasmic reticulum	I
Protein	J

I. MOBILE RECEPTOR MECHANISM

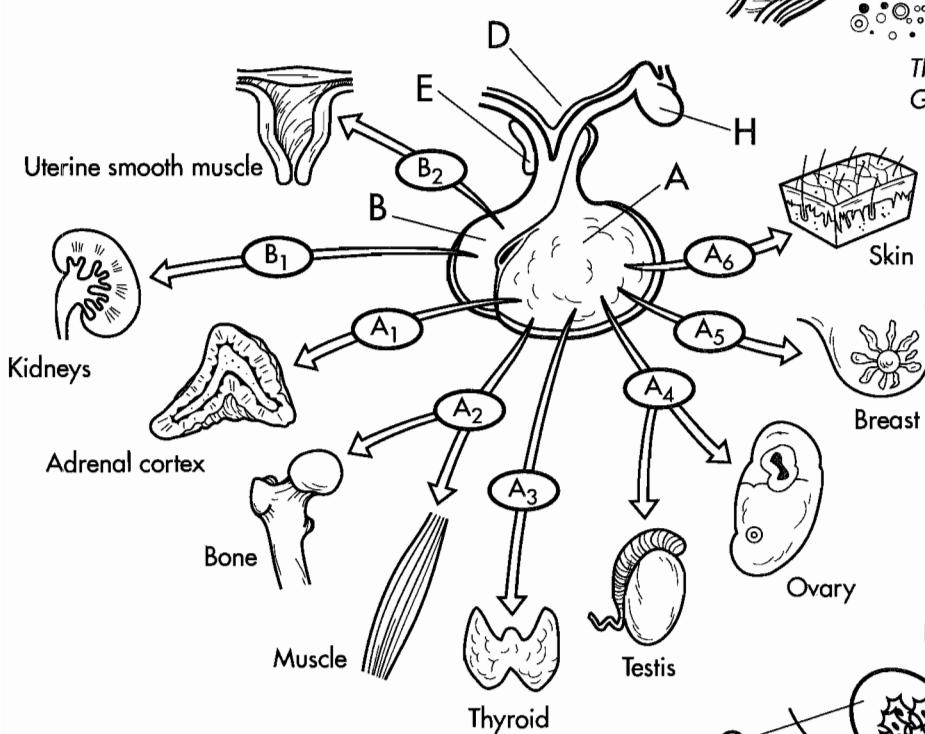
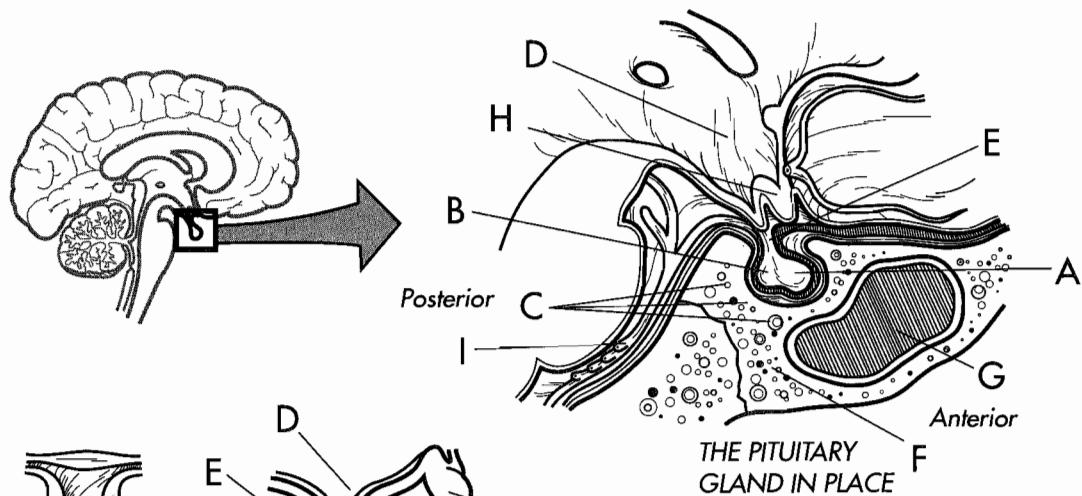


II. FIXED MEMBRANE RECEPTOR MECHANISM

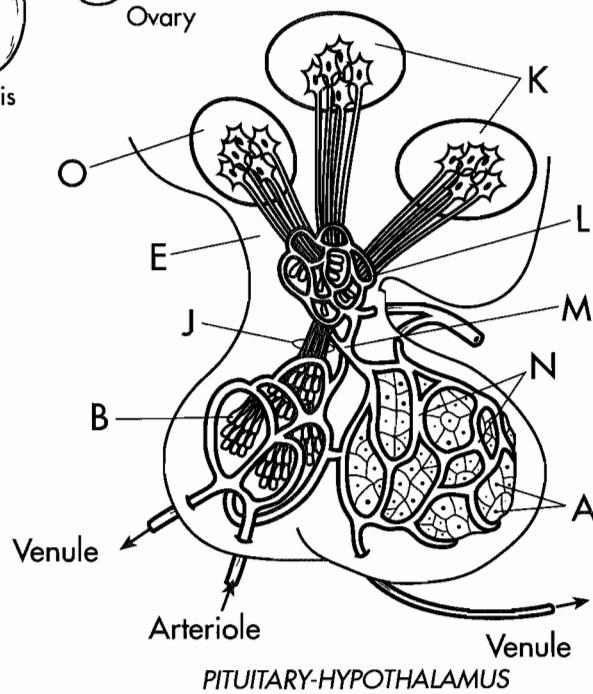


Protein hormone	K
Cell membrane	L
Receptor	M
Inactive adenylate cyclase	N
Activated adenylate cyclase	O
ATP molecule	P
Cyclic AMP	Q
Cellular cytoplasm	R
Protein kinase	S
Inactive cAMP molecule	T
Phosphodiesterase enzymes	U
Bloodstream	V

THE PITUITARY GLAND

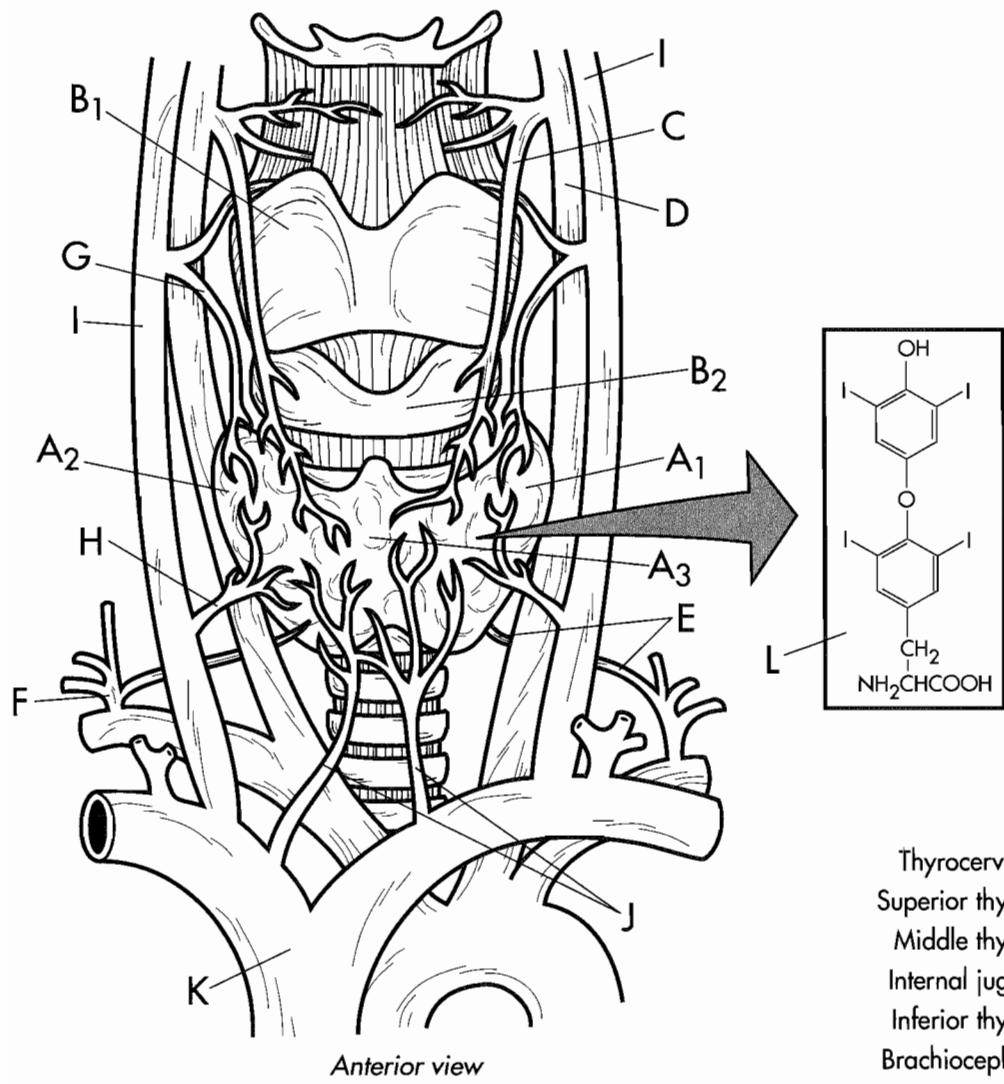


Anterior lobe	A	<input type="radio"/>
Adrenocorticotropic hormone (ACTH)	A ₁	<input type="radio"/>
Growth hormone (GH)	A ₂	<input type="radio"/>
Thyroid stimulating hormone (TSH)	A ₃	<input type="radio"/>
Gonadotropin hormones	A ₄	<input type="radio"/>
Prolactin	A ₅	<input type="radio"/>
Melanocyte stimulating hormone (MSH)	A ₆	<input type="radio"/>
Posterior lobe	B	<input type="radio"/>
Antidiuretic hormone (ADH)	B ₁	<input type="radio"/>
Oxytocin	B ₂	<input type="radio"/>
Sella turcica	C	<input type="radio"/>
Hypothalamus	D	<input type="radio"/>
Infundibulum	E	<input type="radio"/>
Sphenoid bone	F	<input type="radio"/>
Sphenoidal sinus	G	<input type="radio"/>



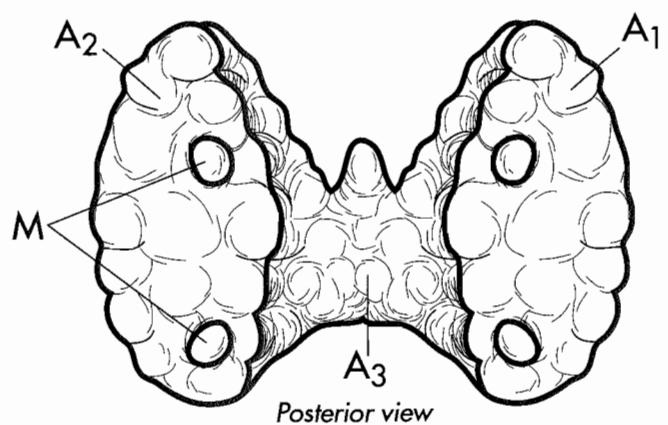
PITUITARY-HYPOTHALAMUS

THE THYROID AND PARATHYROID GLANDS

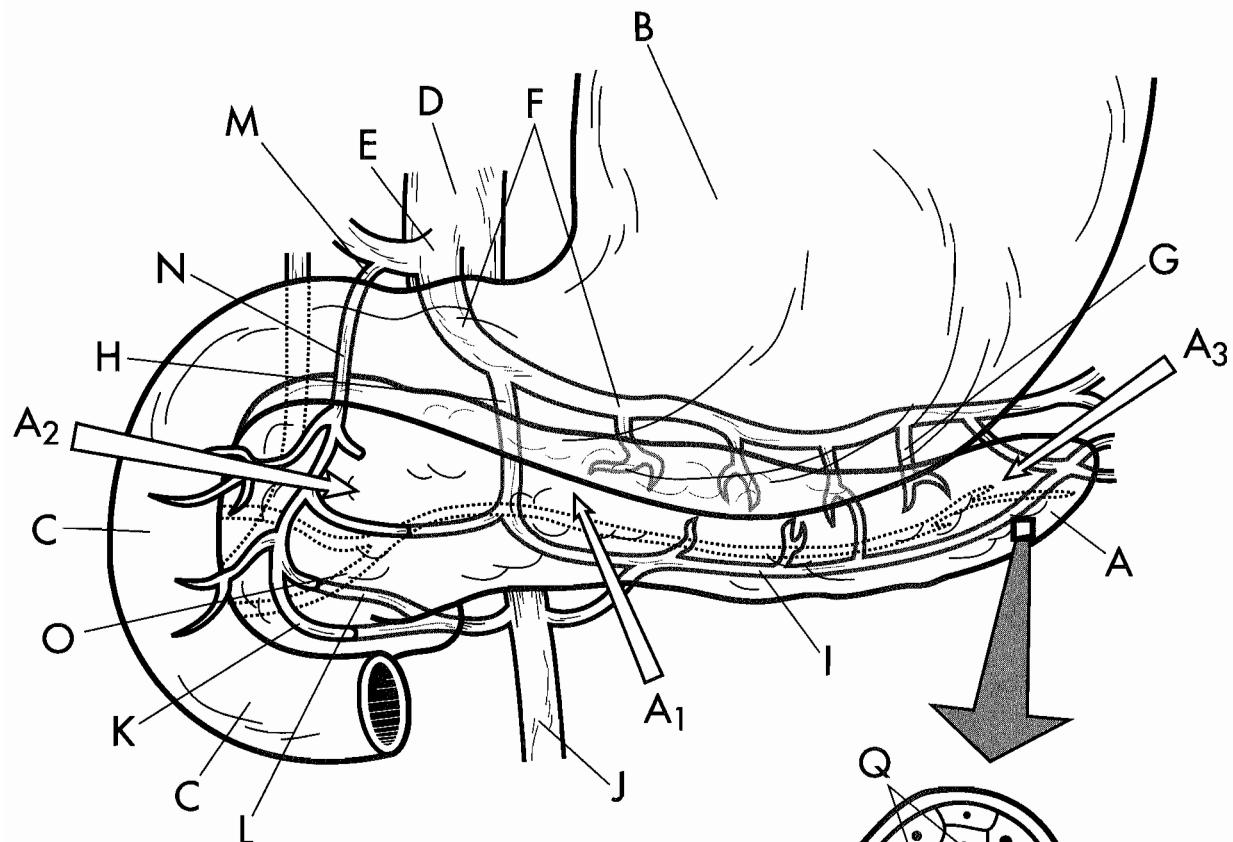


Thyrocervical trunk	<input type="radio"/>
Superior thyroid vein	<input type="radio"/>
Middle thyroid vein	<input type="radio"/>
Internal jugular vein	<input type="radio"/>
Inferior thyroid vein	<input type="radio"/>
Brachiocephalic vein	<input type="radio"/>
Thyroxin hormone	<input type="radio"/>
Parathyroid glands	<input type="radio"/>

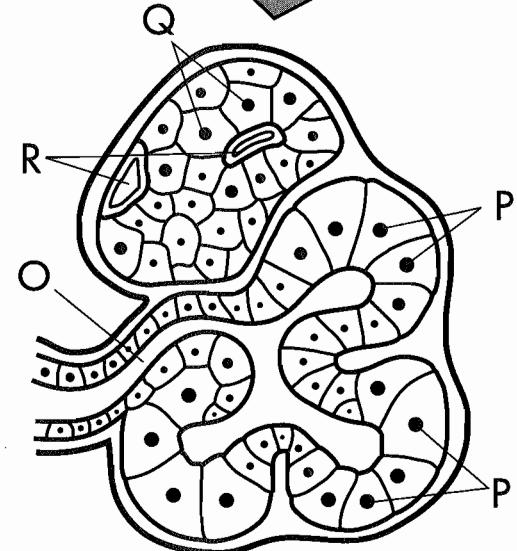
Left lateral lobe	A ₁	<input type="radio"/>
Right lateral lobe	A ₂	<input type="radio"/>
Isthmus	A ₃	<input type="radio"/>
Thyroid cartilage	B ₁	<input type="radio"/>
Cricoid cartilage	B ₂	<input type="radio"/>
Superior thyroid artery	C	<input type="radio"/>
External carotid artery	D	<input type="radio"/>
Inferior thyroid artery	E	<input type="radio"/>



THE PANCREAS (ENDOCRINE FUNCTION)

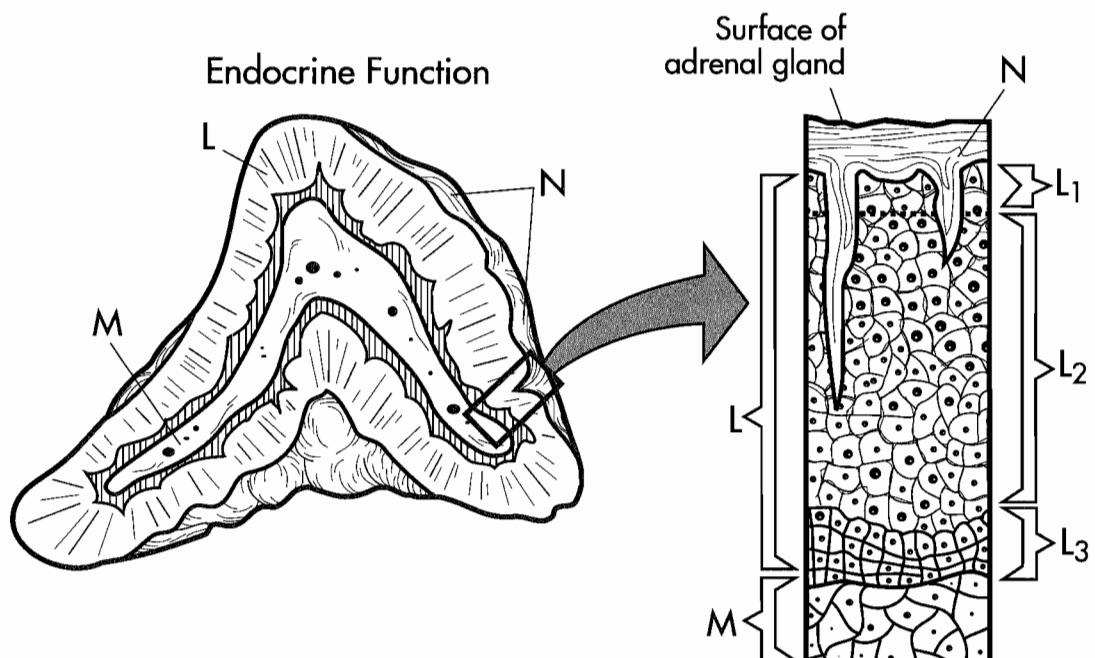
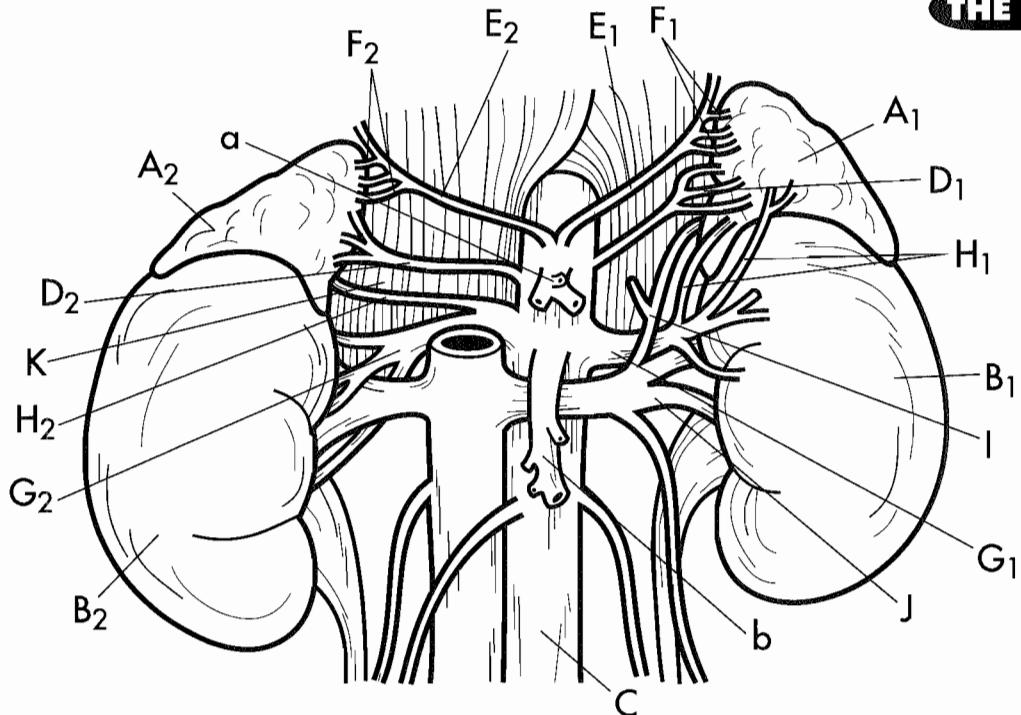


Pancreas	A	○
Body	A ₁	○
Head	A ₂	○
Tail	A ₃	○
Stomach	B	○
Duodenum	C	○
Aorta	D	○
Celiac trunk	E	○
Splenic artery	F	○
Great pancreatic artery	G	○
Superior pancreatic artery	H	○
Inferior pancreatic artery	I	○
Superior mesenteric artery	J	○
Anterior pancreateoduodenal artery	K	○



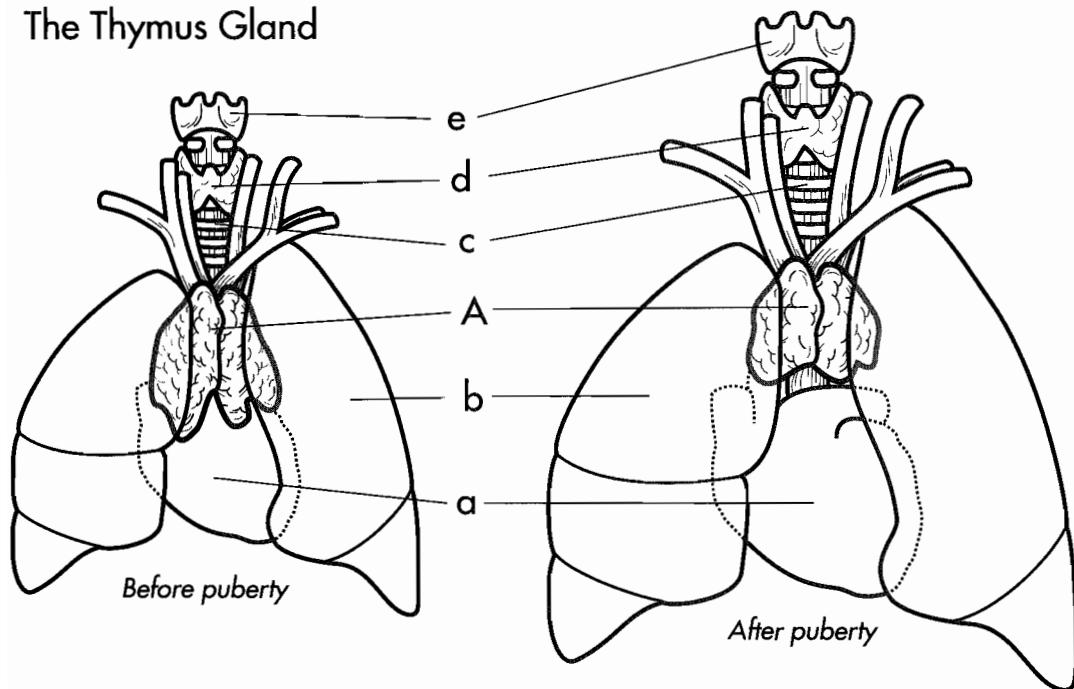
Posterior pancreateoduodenal artery	L	○
Gastroduodenal artery	M	○
Superior pancreateoduodenal artery	N	○
Pancreatic duct	O	○
Exocrine cells	P	○
Endocrine cells	Q	○
Cross sections of blood vessels	R	○

THE ADRENAL GLANDS



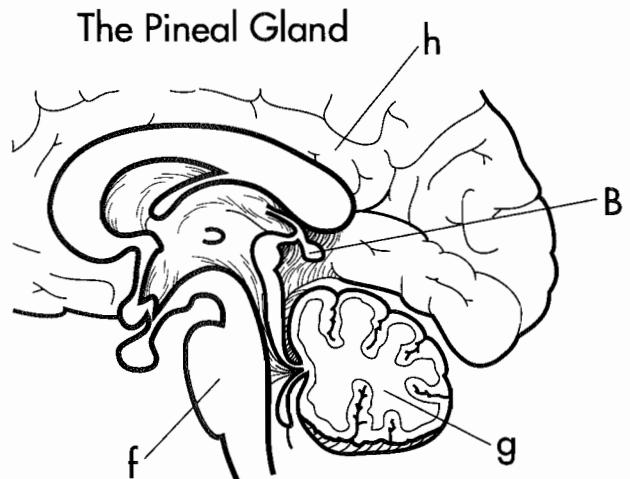
Left adrenal gland	A ₁	<input type="radio"/>	Right inferior phrenic artery	E ₂	<input type="radio"/>	Right suprarenal vein	K	<input type="radio"/>
Right adrenal gland	A ₂	<input type="radio"/>	Left superior suprarenal artery	F ₁	<input type="radio"/>	Cortex	L	<input type="radio"/>
Left kidney	B ₁	<input type="radio"/>	Right superior suprarenal artery	F ₂	<input type="radio"/>	Zona glomerulosa	L ₁	<input type="radio"/>
Right kidney	B ₂	<input type="radio"/>	Left renal artery	G ₁	<input type="radio"/>	Zona fasciculata	L ₂	<input type="radio"/>
Aorta	C	<input type="radio"/>	Right renal artery	G ₂	<input type="radio"/>	Zona reticularis	L ₃	<input type="radio"/>
Left middle suprarenal artery	D ₁	<input type="radio"/>	Left inferior suprarenal artery	H ₁	<input type="radio"/>	Medulla	M	<input type="radio"/>
Right middle suprarenal artery	D ₂	<input type="radio"/>	Right inferior suprarenal artery	H ₂	<input type="radio"/>	Capsule	N	<input type="radio"/>
Left inferior phrenic artery	E ₁	<input type="radio"/>	Left suprarenal vein	I	<input type="radio"/>	Celiac trunk	a	<input type="radio"/>
			Left renal vein	J	<input type="radio"/>	Superior mesenteric artery	b	<input type="radio"/>

The Thymus Gland



Thymus gland	A	○
Pineal gland	B	○
Heart	a	○
Lungs	b	○
Trachea	c	○
Thyroid gland	d	○
Larynx	e	○
Pons	f	○
Cerebellum	g	○

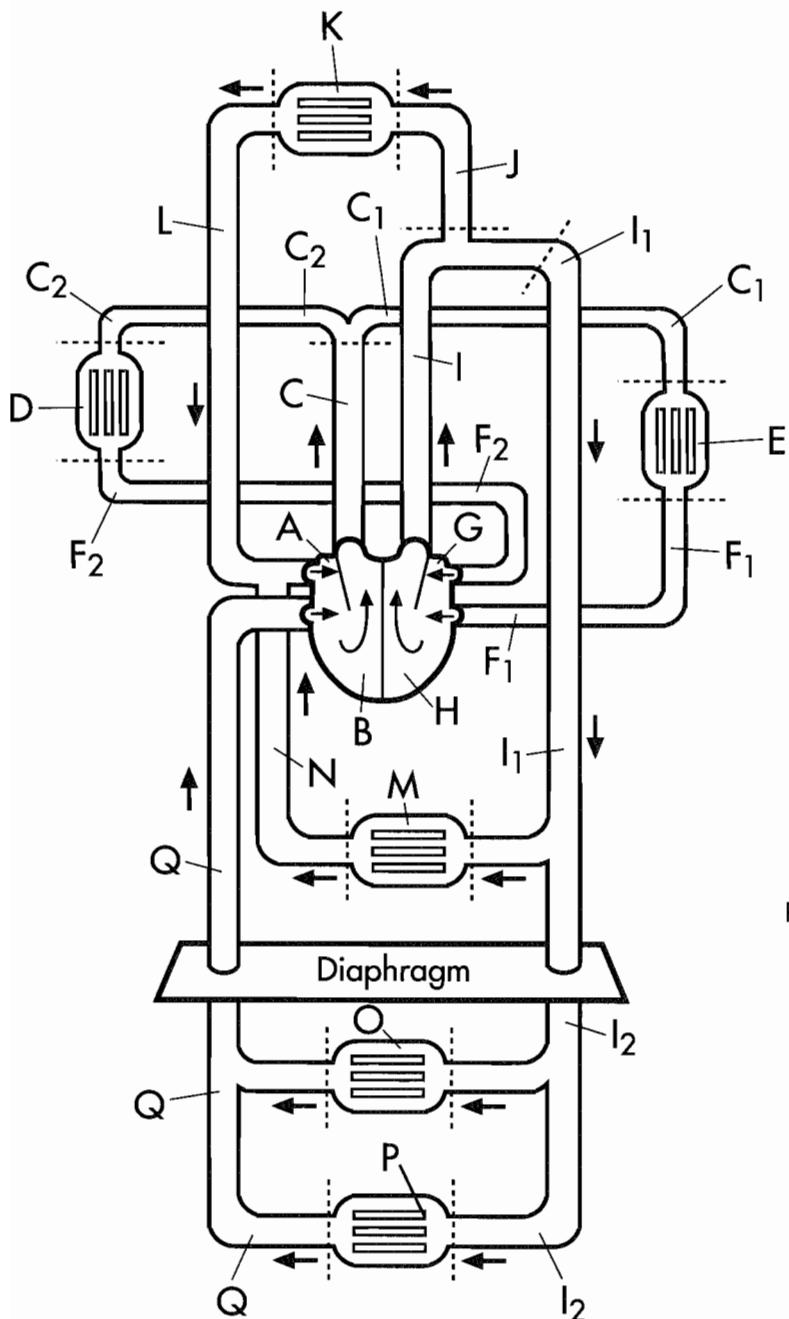
The Pineal Gland



CHAPTER SEVEN:

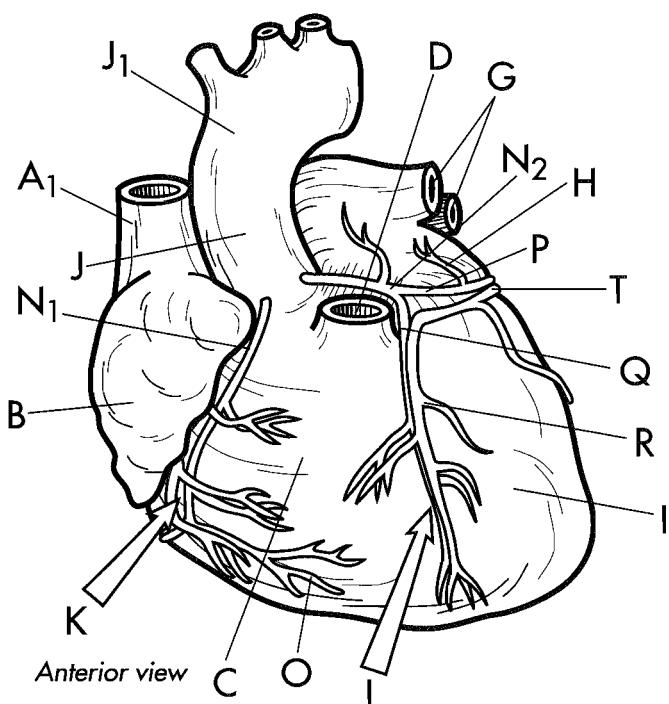
the CIRCULATORY SYSTEM

SCHEMATIC OF THE CIRCULATORY SYSTEM



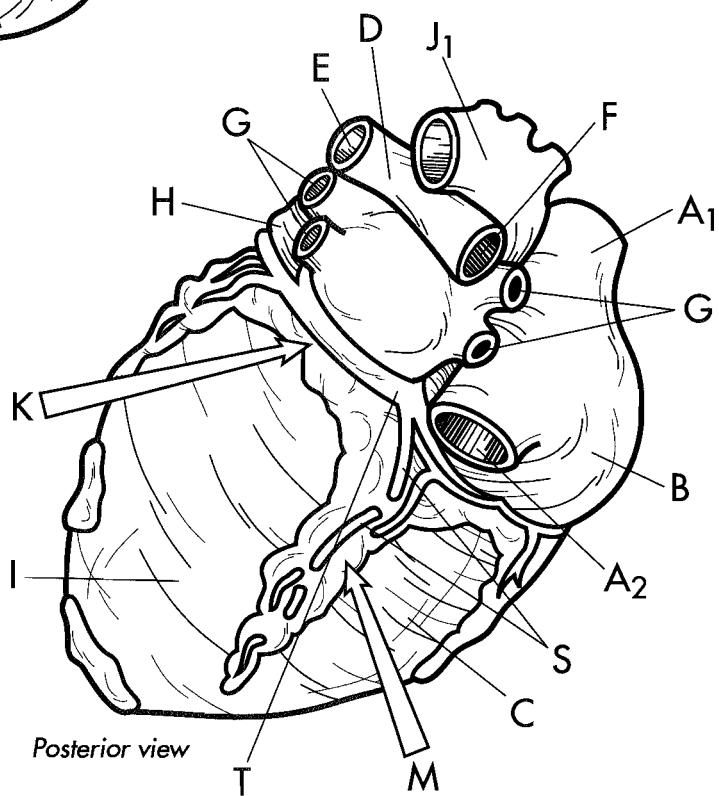
Right atrium	A	<input type="radio"/>
Right ventricle	B	<input type="radio"/>
Pulmonary trunk	C	<input type="radio"/>
Left pulmonary artery	C ₁	<input type="radio"/>
Right pulmonary artery	C ₂	<input type="radio"/>
Right lung	D	<input type="radio"/>
Left lung	E	<input type="radio"/>
Left pulmonary vein	F ₁	<input type="radio"/>
Right pulmonary vein	F ₂	<input type="radio"/>
Left atrium of the heart	G	<input type="radio"/>
Left ventricle	H	<input type="radio"/>
Aorta	I	<input type="radio"/>
Thoracic aorta	I ₁	<input type="radio"/>
Abdominal aorta	I ₂	<input type="radio"/>
Carotid arteries	J	<input type="radio"/>
Upper extremities	K	<input type="radio"/>
Superior vena cava	L	<input type="radio"/>
Thoracic organs	M	<input type="radio"/>
Azygous veins	N	<input type="radio"/>
Visceral organs	O	<input type="radio"/>
Lower extremities	P	<input type="radio"/>
Inferior vena cava	Q	<input type="radio"/>

THE HEART (EXTERNAL ANATOMY)

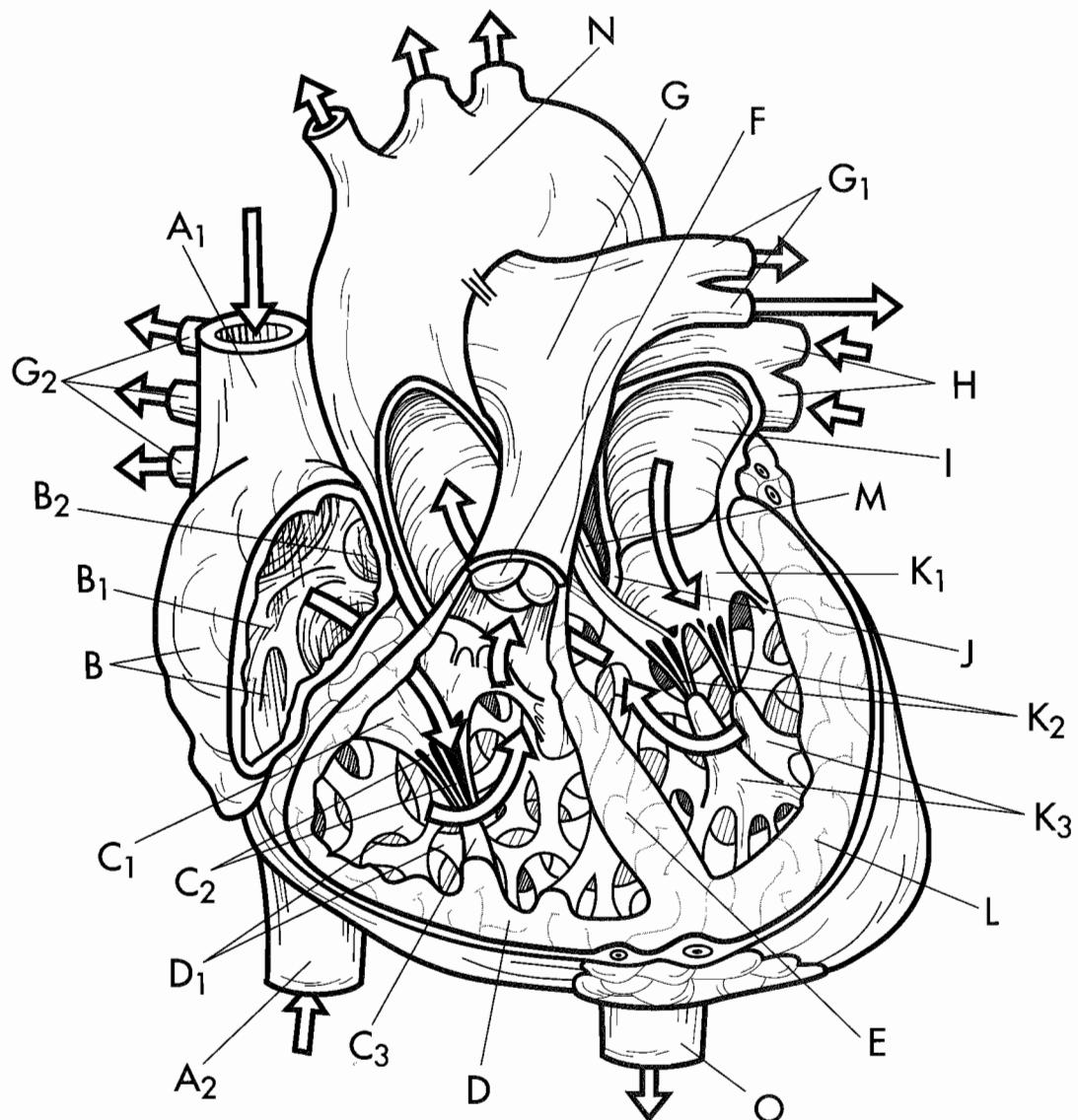


Aorta	J	<input type="radio"/>
Arch of the aorta	J ₁	<input type="radio"/>
Coronary sulcus	K	<input type="radio"/>
Anterior ventricular sulcus	L	<input type="radio"/>
Posterior ventricular sulcus	M	<input type="radio"/>
Right coronary artery	N ₁	<input type="radio"/>
Left coronary artery	N ₂	<input type="radio"/>
Marginal branches	O	<input type="radio"/>
Circumflex branch	P	<input type="radio"/>
Anterior interventricular branch	Q	<input type="radio"/>
Cardiac vein	R	<input type="radio"/>
Middle cardiac vein	S	<input type="radio"/>
Coronary sinus	T	<input type="radio"/>

Superior vena cava	A ₁	<input type="radio"/>
Inferior vena cava	A ₂	<input type="radio"/>
Right auricle	B	<input type="radio"/>
Right ventricle	C	<input type="radio"/>
Pulmonary trunk	D	<input type="radio"/>
Pulmonary artery	E	<input type="radio"/>
Right pulmonary artery	F	<input type="radio"/>
Pulmonary veins	G	<input type="radio"/>
Left auricle	H	<input type="radio"/>
Left ventricle	I	<input type="radio"/>

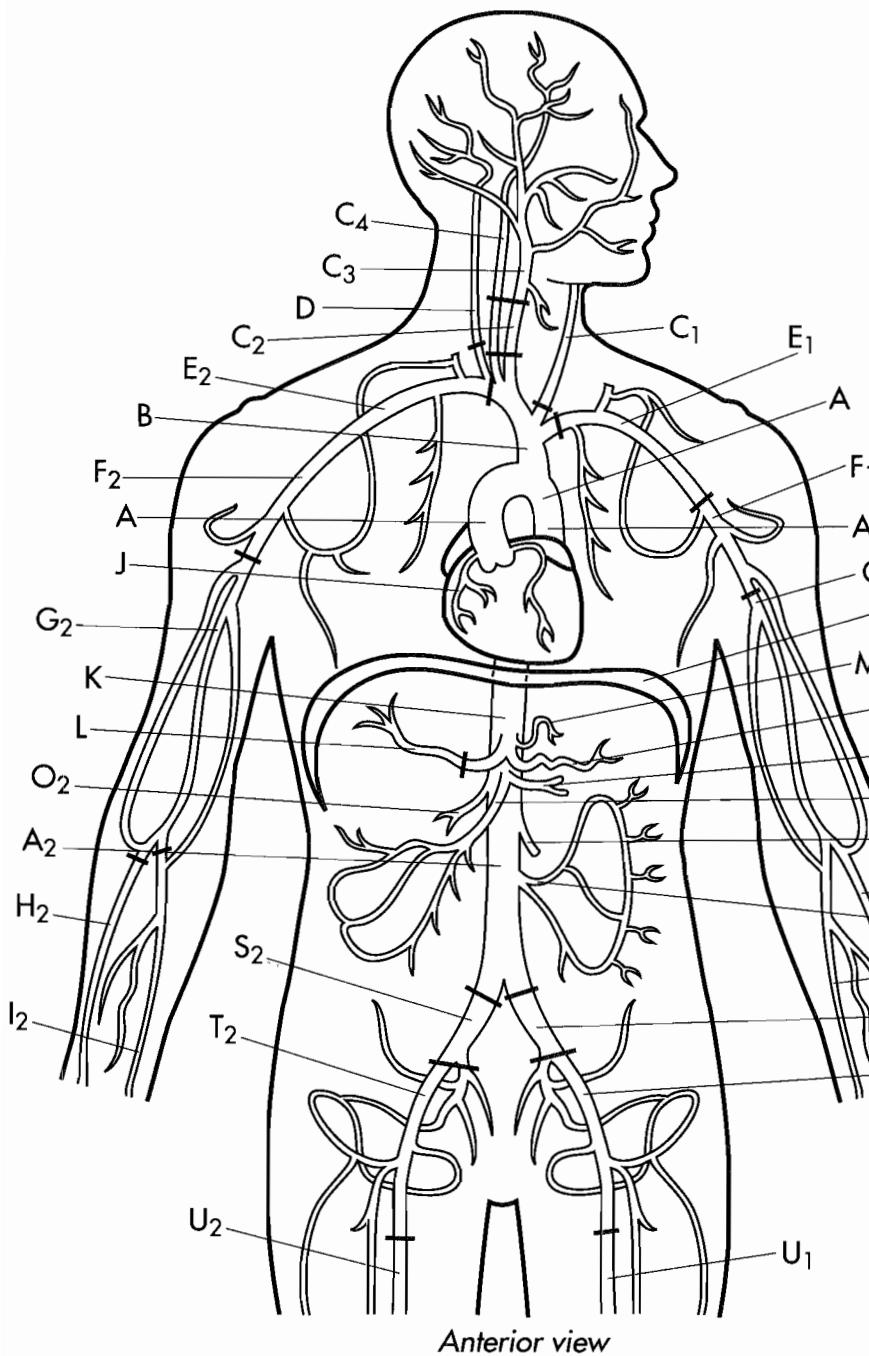


THE HEART (INTERNAL ANATOMY)



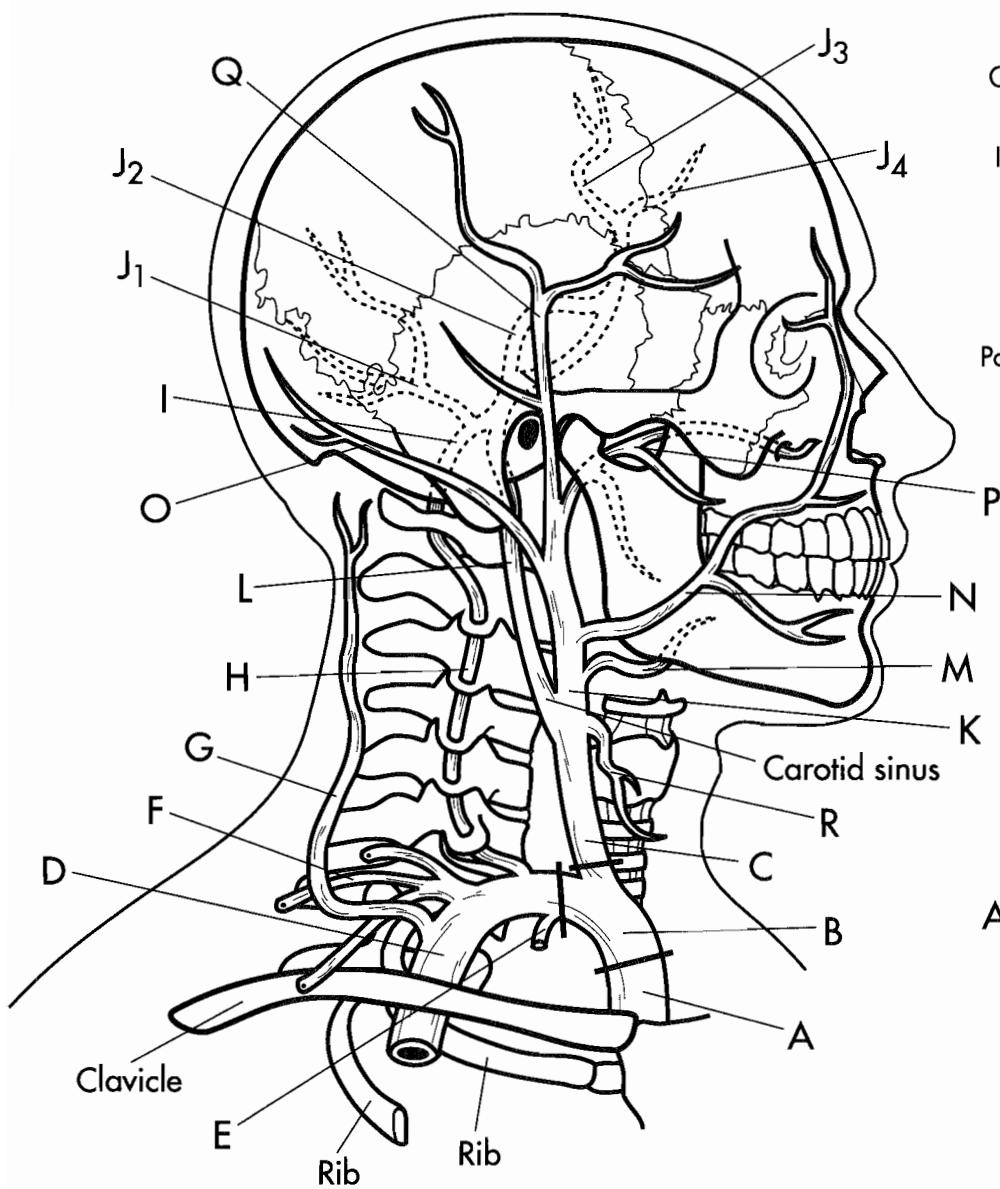
Superior vena cava	A ₁	O	Left pulmonary arteries	G ₁	O
Inferior vena cava	A ₂	O	Right pulmonary arteries	G ₂	O
Right atrium	B	O	Pulmonary veins	H	O
Pectinate muscles	B ₁	O	Left atrium	I	O
Fossa ovalis	B ₂	O	Intraatrial septum	J	O
Cusp	C ₁	O	Cusp of the valve	K ₁	O
Chordae tendinae	C ₂	O	Chordae tendinae	K ₂	O
Papillary muscles	C ₃	O	Papillary muscles	K ₃	O
Right ventricle	D	O	Left ventricle	L	O
Trabecular carneae	D ₁	O	Aortic semilunar valve	M	O
Interventricular septum	E	O	Arch of the aorta	N	O
Pulmonary semilunar valve	F	O	Descending aorta	O	O
Pulmonary trunk	G	O			

PRINCIPAL ARTERIES OF THE BODY



Aorta	A	<input type="radio"/>
Thoracic aorta	A ₁	<input type="radio"/>
Abdominal aorta	A ₂	<input type="radio"/>
Brachiocephalic trunk	B	<input type="radio"/>
Left common carotid artery	C ₁	<input type="radio"/>
Right common carotid artery	C ₂	<input type="radio"/>
Right external carotid artery	C ₃	<input type="radio"/>
Right internal carotid artery	C ₄	<input type="radio"/>
Vertebral artery	D	<input type="radio"/>
Left subclavian artery	E ₁	<input type="radio"/>
Right subclavian artery	E ₂	<input type="radio"/>
Left axillary artery	F ₁	<input type="radio"/>
Right axillary artery	F ₂	<input type="radio"/>
Left brachial artery	G ₁	<input type="radio"/>
Right brachial artery	G ₂	<input type="radio"/>
Left radial artery	H ₁	<input type="radio"/>
Right radial artery	H ₂	<input type="radio"/>
Left ulnar artery	I ₁	<input type="radio"/>
Right ulnar artery	I ₂	<input type="radio"/>
Coronary arteries	J	<input type="radio"/>
Celiac trunk	K	<input type="radio"/>
Hepatic artery	L	<input type="radio"/>
Gastric artery	M	<input type="radio"/>
Splenic artery	N	<input type="radio"/>
Left renal artery	O ₁	<input type="radio"/>
Right renal artery	O ₂	<input type="radio"/>
Superior mesenteric artery	P	<input type="radio"/>
Gonadal artery	Q	<input type="radio"/>
Inferior mesenteric artery	R	<input type="radio"/>
Left common iliac artery	S ₁	<input type="radio"/>
Right common iliac artery	S ₂	<input type="radio"/>
Left external iliac artery	T ₁	<input type="radio"/>
Right external iliac artery	T ₂	<input type="radio"/>
Left femoral artery	U ₁	<input type="radio"/>
Right femoral artery	U ₂	<input type="radio"/>

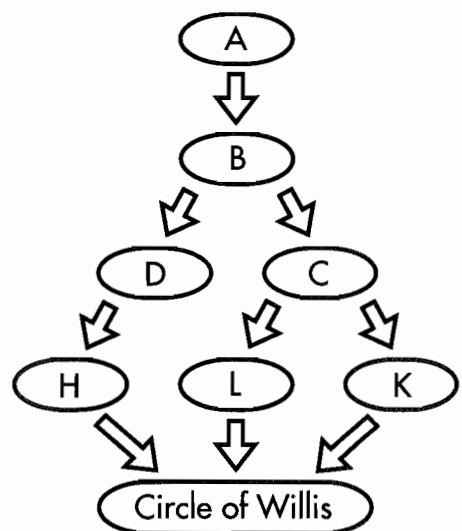
ARTERIES OF THE HEAD AND NECK



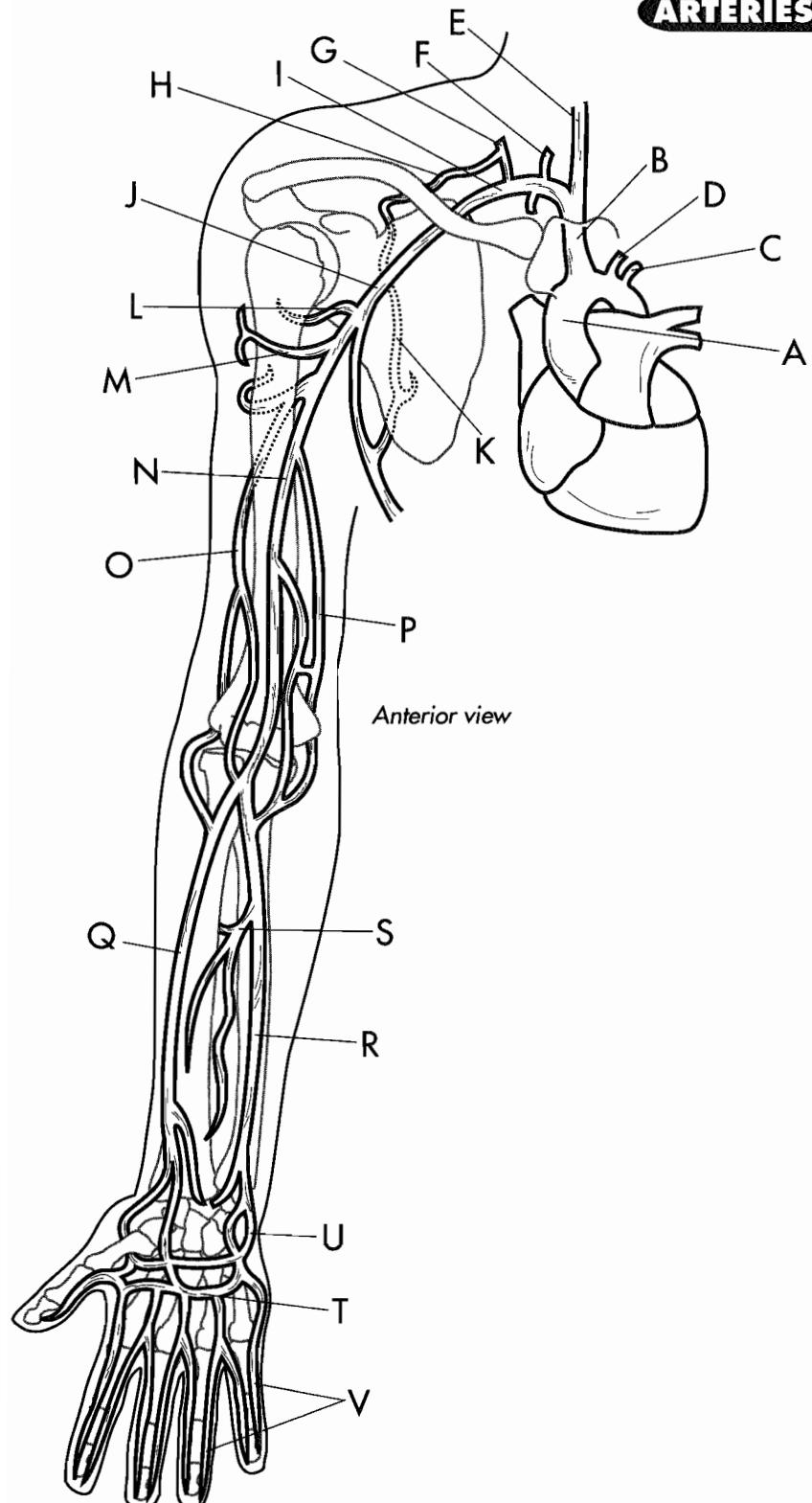
Communicating artery	J ₂	○
Middle cerebral artery	J ₃	○
Anterior cerebral artery	J ₄	○
External carotid artery	K	○
Internal carotid artery	L	○
Lingual artery	M	○
Facial artery	N	○
Occipital artery	O	○
Maxillary artery	P	○
Superficial temporal artery	Q	○
Superior thyroid artery	R	○

Aorta	A	O
Brachiocephalic trunk	B	O
Common carotid artery	C	O
Subclavian artery	D	O
Internal thoracic artery	E	O
Thyrocervical trunk	F	O
Costocervical trunk	G	O
Vertebral artery	H	O
Basilar artery	I	O
Posterior cerebral artery	J ₁	O

Arterial Flowchart



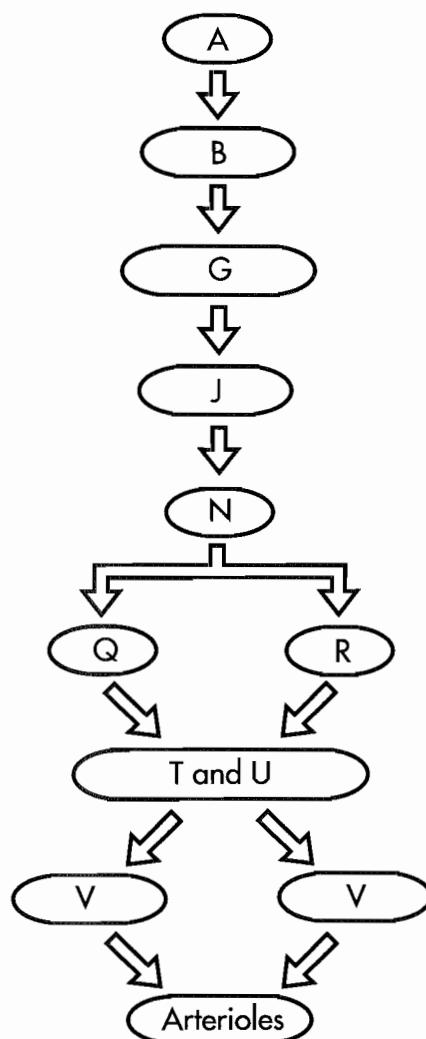
ARTERIES OF THE UPPER EXTREMITY



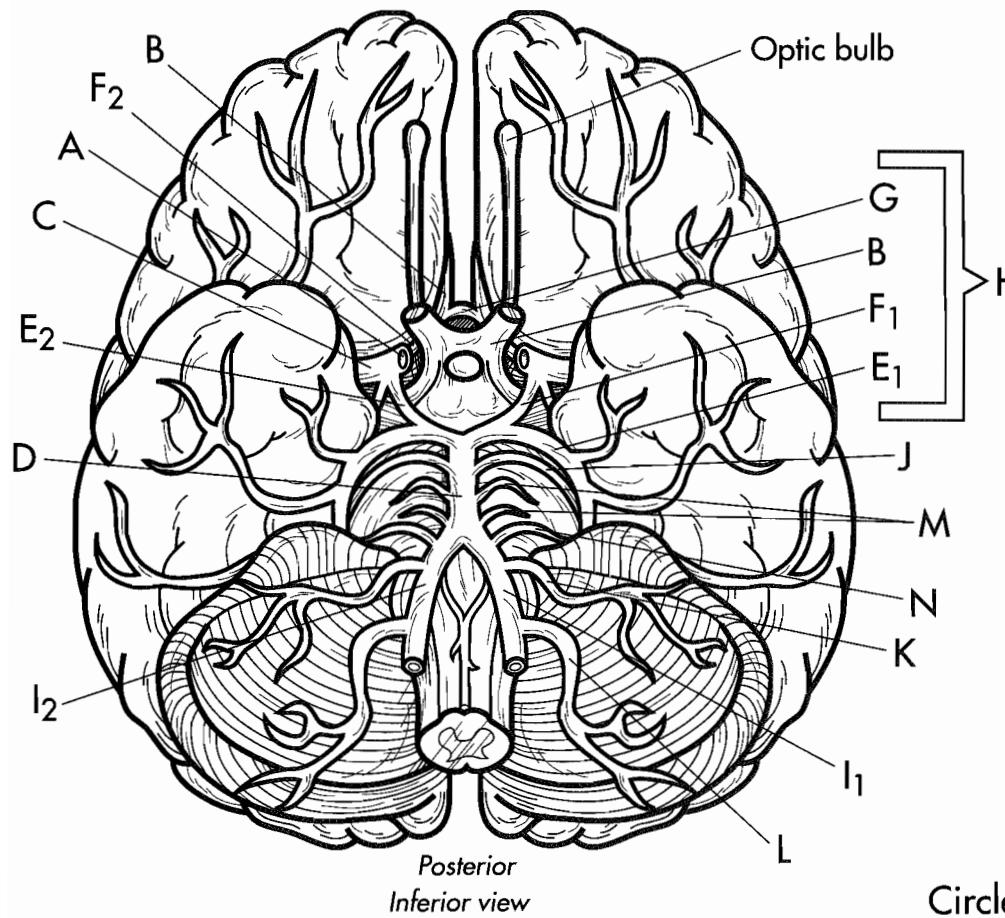
Anterior humeral circumflex artery	M	<input type="radio"/>
Brachial artery	N	<input type="radio"/>
Deep brachial artery	O	<input type="radio"/>
Nutrient artery of the humerus	P	<input type="radio"/>
Radial artery	Q	<input type="radio"/>
Ulnar artery	R	<input type="radio"/>
Interosseous artery	S	<input type="radio"/>

Aorta	A	<input type="radio"/>
Brachiocephalic trunk	B	<input type="radio"/>
Left subclavian artery	C	<input type="radio"/>
Left common carotid artery	D	<input type="radio"/>
Right common carotid artery	E	<input type="radio"/>
Right vertebral artery	F	<input type="radio"/>
Thyrocervical trunk	G	<input type="radio"/>
Suprascapular artery	H	<input type="radio"/>
Right subclavian artery	I	<input type="radio"/>
Axillary artery	J	<input type="radio"/>
Subscapular artery	K	<input type="radio"/>
Posterior humeral circumflex artery	L	<input type="radio"/>

Arterial Flowchart



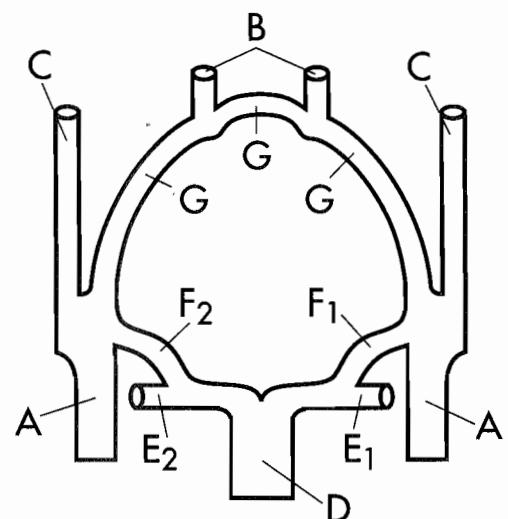
Superficial palmar arch	T	<input type="radio"/>
Deep palmar arch	U	<input type="radio"/>
Digital arteries	V	<input type="radio"/>



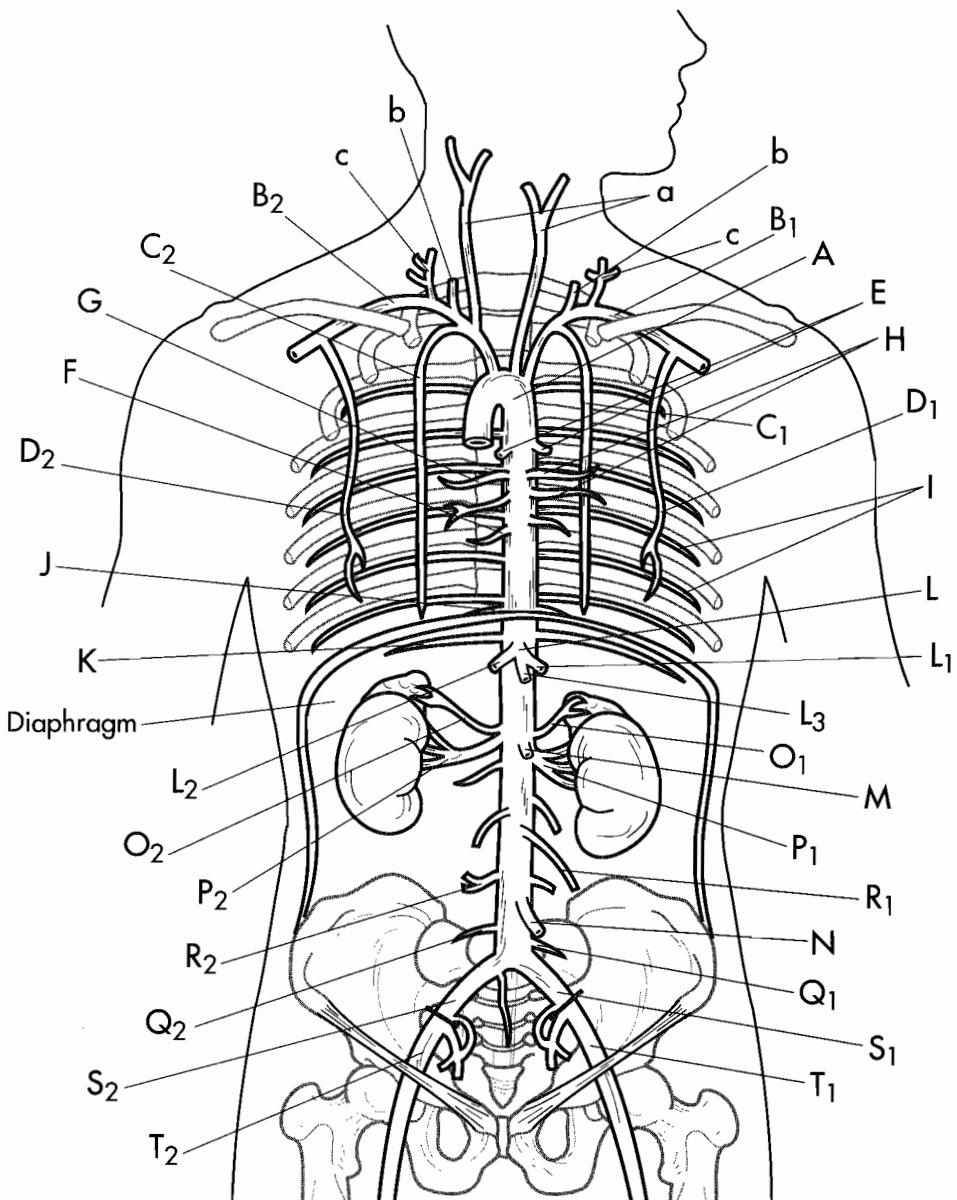
Posterior
Inferior view

Circle of Willis H

Internal carotid artery	A	○
Anterior cerebral artery	B	○
Middle cerebral artery	C	○
Basilar artery	D	○
Left posterior cerebral artery	E ₁	○
Right posterior cerebral artery	E ₂	○
Left posterior communicating artery	F ₁	○
Right posterior communicating artery	F ₂	○
Anterior communicating artery	G	○
Circle of Willis	H	○
Left vertebral artery	I ₁	○
Right vertebral artery	I ₂	○
Superior cerebellar artery	J	○
Anterior inferior cerebellar artery	K	○
Posterior inferior cerebellar artery	L	○
Pontine	M	○
Labyrinthine artery	N	○



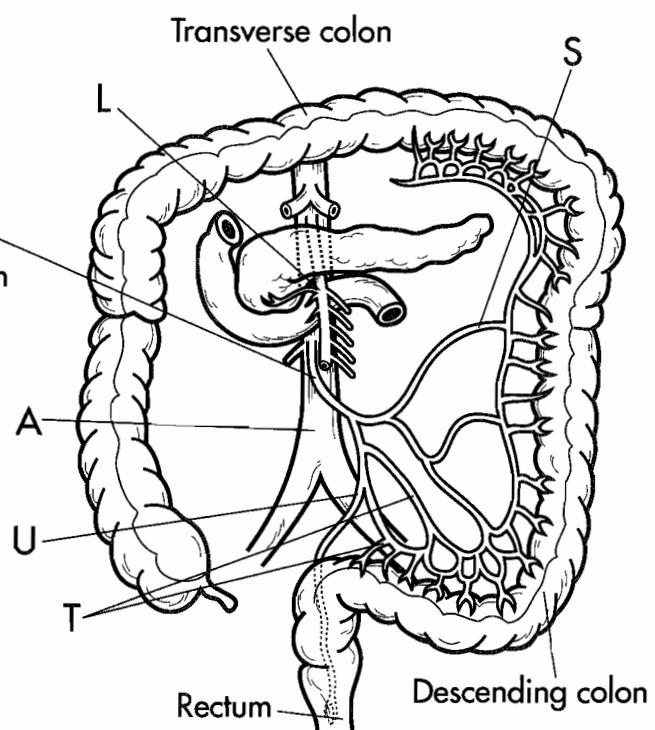
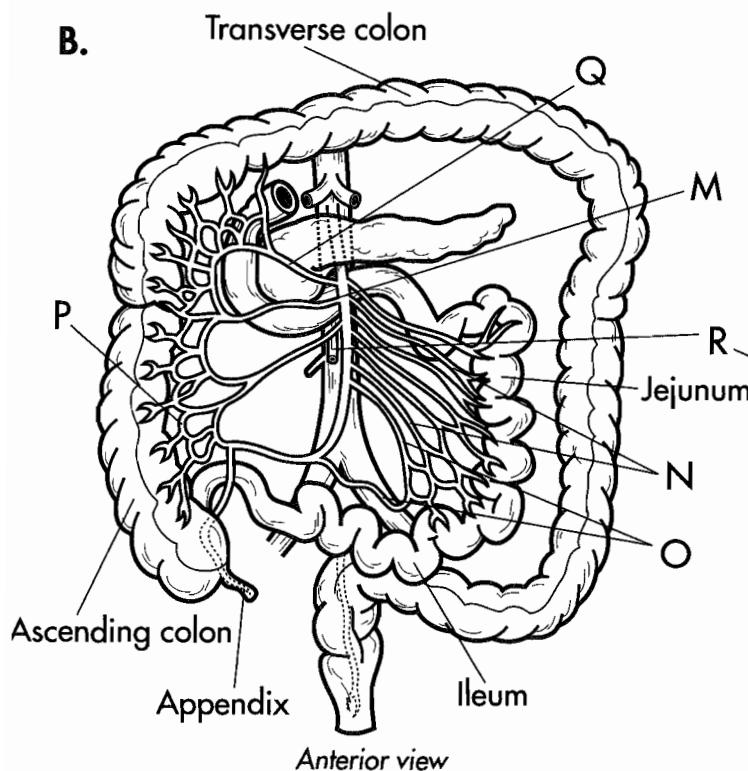
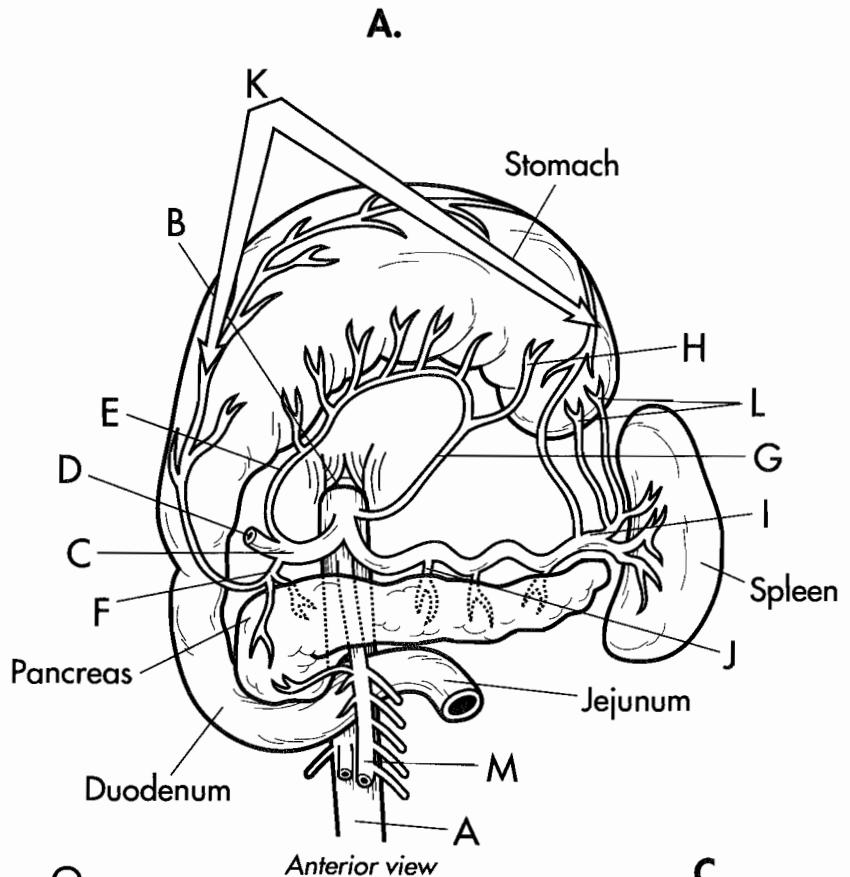
ARTERIES OF THE THORAX AND ABDOMEN



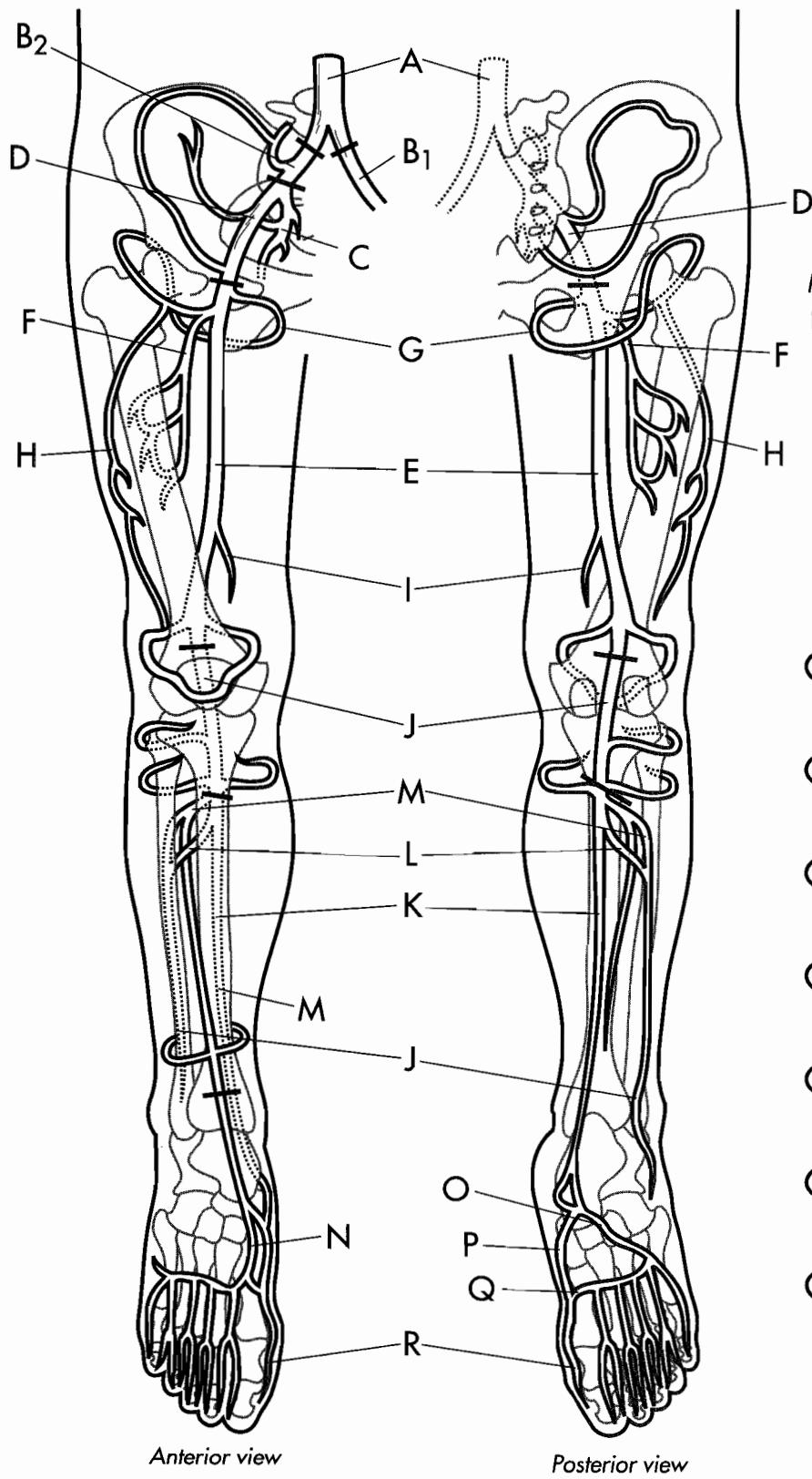
Aorta	<input type="radio"/> A	Superior phrenic arteries	<input type="radio"/> J	Left lumbar artery	<input type="radio"/> Q ₁
Left subclavian artery	<input type="radio"/> B ₁	Inferior phrenic arteries	<input type="radio"/> K	Right lumbar artery	<input type="radio"/> Q ₂
Right subclavian artery	<input type="radio"/> B ₂	Celiac artery	<input type="radio"/> L	Left gonadal artery	<input type="radio"/> R ₁
Left internal thoracic artery	<input type="radio"/> C ₁	Left gastric artery	<input type="radio"/> L ₁	Right gonadal artery	<input type="radio"/> R ₂
Right internal thoracic artery	<input type="radio"/> C ₂	Hepatic artery	<input type="radio"/> L ₂	Left common iliac artery	<input type="radio"/> S ₁
Left lateral thoracic artery	<input type="radio"/> D ₁	Splenic artery	<input type="radio"/> L ₃	Right common iliac artery	<input type="radio"/> S ₂
Right lateral thoracic artery	<input type="radio"/> D ₂	Superior mesenteric artery	<input type="radio"/> M	Left external iliac artery	<input type="radio"/> T ₁
Bronchial arteries	<input type="radio"/> E	Inferior mesenteric artery	<input type="radio"/> N	Right external iliac artery	<input type="radio"/> T ₂
Pericardial arteries	<input type="radio"/> F	Left suprarenal artery	<input type="radio"/> O ₁	Common carotid arteries	<input type="radio"/> a
Esophageal arteries	<input type="radio"/> G	Right suprarenal artery	<input type="radio"/> O ₂	Vertebral artery	<input type="radio"/> b
Mediastinal arteries	<input type="radio"/> H	Left renal artery	<input type="radio"/> P ₁	Thyrocervical trunk	<input type="radio"/> c
Intercostal arteries	<input type="radio"/> I	Right renal artery	<input type="radio"/> P ₂		

ARTERIES OF THE GASTROINTESTINAL TRACT

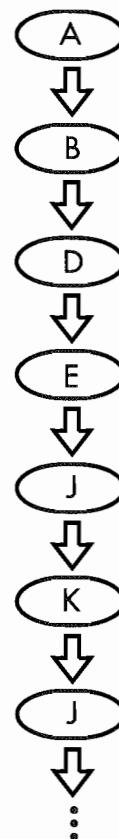
Abdominal aorta	A ○
Celiac trunk	B ○
Common hepatic artery	C ○
Hepatic artery	D ○
Right gastric artery	E ○
Gastroduodenal artery	F ○
Gastric artery	G ○
Esophageal artery	H ○
Splenic artery	I ○
Pancreatic arteries	J ○
Left gastroepiploic artery	K ○
Short gastric artery	L ○
Superior mesenteric artery	M ○
Jejunal arteries	N ○
Ileal arteries	O ○
Ileocolic artery	P ○
Middle colic artery	Q ○
Inferior mesenteric artery	R ○
Left colic artery	S ○
Sigmoid artery	T ○
Superior rectal artery	U ○



ARTERIES OF THE LOWER LIMB



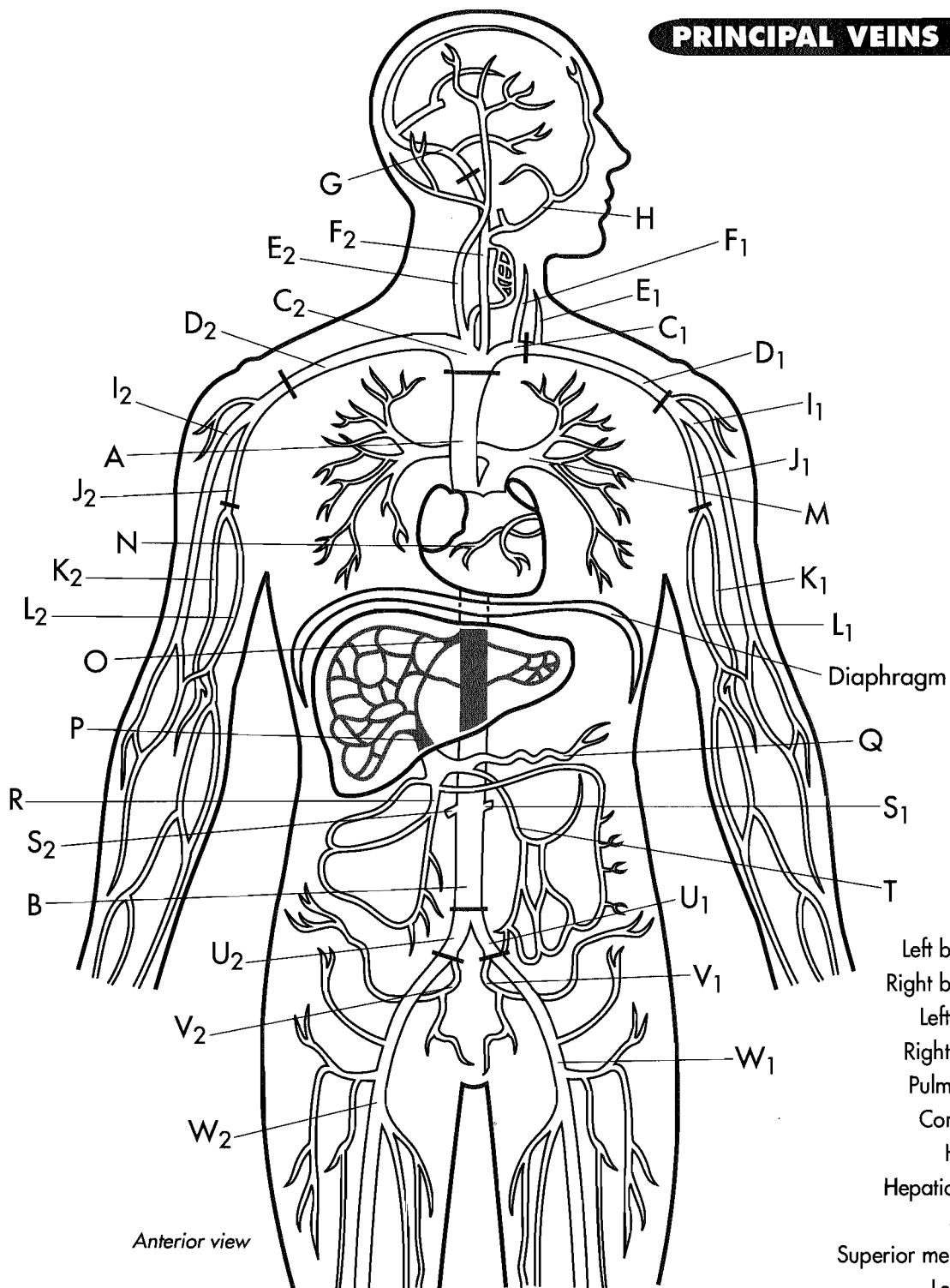
Aorta	A
Left common iliac artery	B ₁
Right common iliac artery	B ₂
Internal iliac artery	C
External iliac artery	D
Femoral artery	E
Deep femoral artery	F
Medial femoral circumflex artery	G
Lateral femoral circumflex artery	H
Descending genicular artery	I
Popliteal artery	J
Posterior tibial artery	K
Peroneal artery	L
Anterior tibial artery	M
Dorsalis pedis artery	N
Lateral plantar artery	O
Medial plantar artery	P
Plantar arch	Q
Digital arteries	R



Anterior view

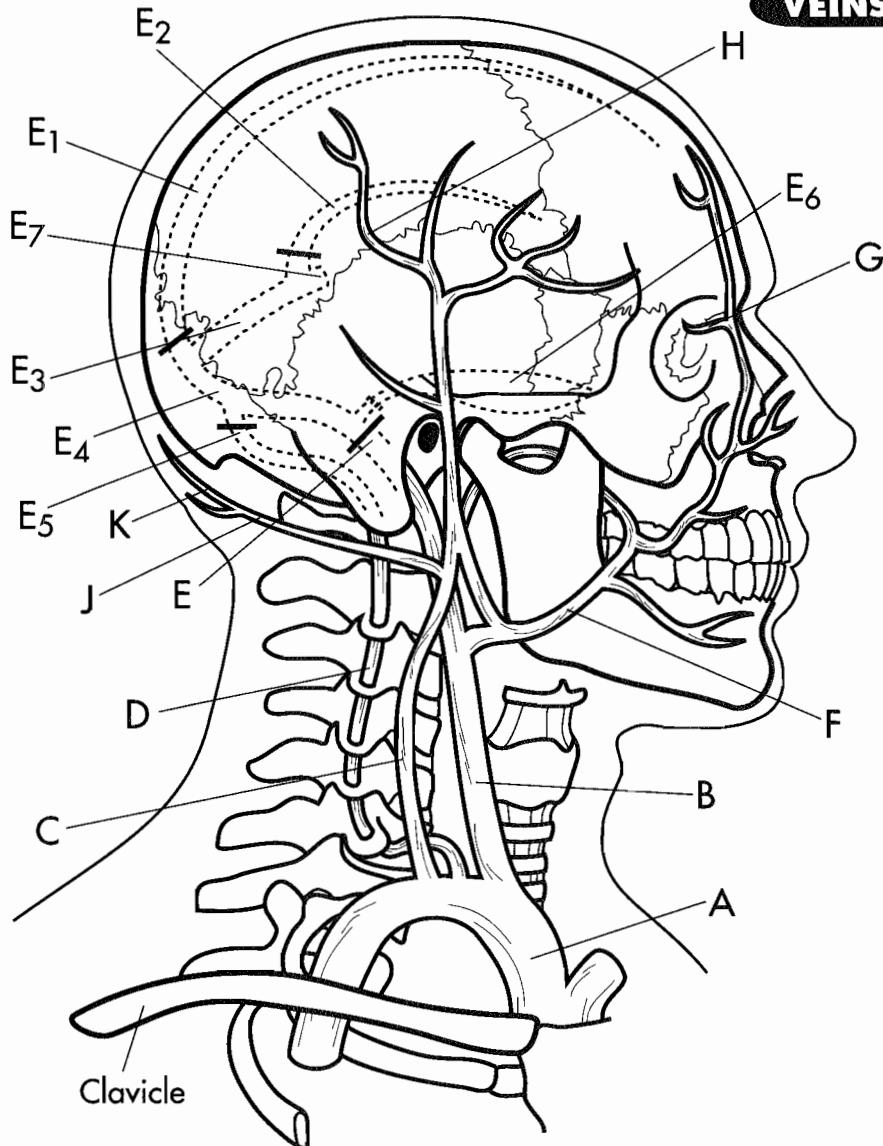
Posterior view

PRINCIPAL VEINS OF THE BODY



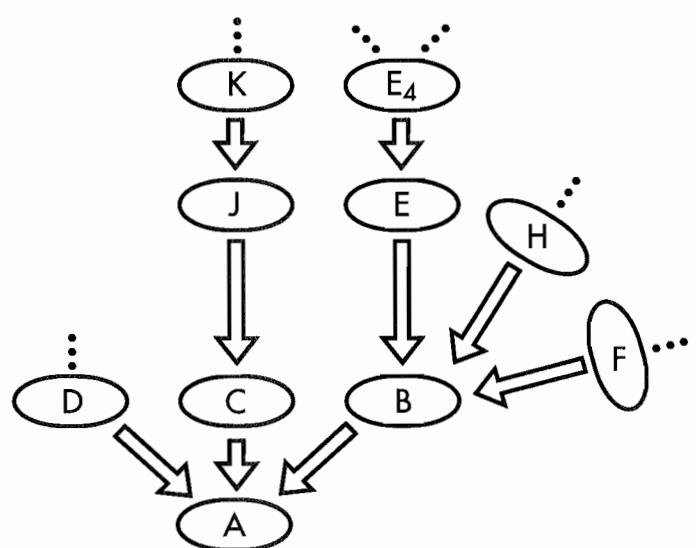
Superior vena cava	A	<input type="radio"/>	Left internal jugular vein	F1	<input type="radio"/>	Left brachial vein	K1	<input type="radio"/>
Inferior vena cava	B	<input type="radio"/>	Right internal jugular vein	F2	<input type="radio"/>	Right brachial vein	K2	<input type="radio"/>
Left brachiocephalic vein	C1	<input type="radio"/>	Sigmoid sinus	G	<input type="radio"/>	Left basilic vein	L1	<input type="radio"/>
Right brachiocephalic vein	C2	<input type="radio"/>	Facial vein	H	<input type="radio"/>	Right basilic vein	L2	<input type="radio"/>
Left subclavian vein	D1	<input type="radio"/>	Left cephalic vein	I1	<input type="radio"/>	Pulmonary veins	M	<input type="radio"/>
Right subclavian vein	D2	<input type="radio"/>	Right cephalic vein	I2	<input type="radio"/>	Coronary sinus	N	<input type="radio"/>
Left external jugular vein	E1	<input type="radio"/>	Left axillary vein	J1	<input type="radio"/>	Hepatic vein	O	<input type="radio"/>
Right external jugular vein	E2	<input type="radio"/>	Right axillary vein	J2	<input type="radio"/>	Heaptic portal vein	P	<input type="radio"/>
						Splenic vein	Q	<input type="radio"/>
						Superior mesenteric vein	R	<input type="radio"/>
						Left renal vein	S1	<input type="radio"/>
						Right renal vein	S2	<input type="radio"/>
						Left inferior mesenteric vein	T	<input type="radio"/>
						Left common iliac vein	U1	<input type="radio"/>
						Right common iliac vein	U2	<input type="radio"/>
						Left internal iliac vein	V1	<input type="radio"/>
						Right internal iliac vein	V2	<input type="radio"/>
						Left external iliac vein	W1	<input type="radio"/>
						Right external iliac vein	W2	<input type="radio"/>

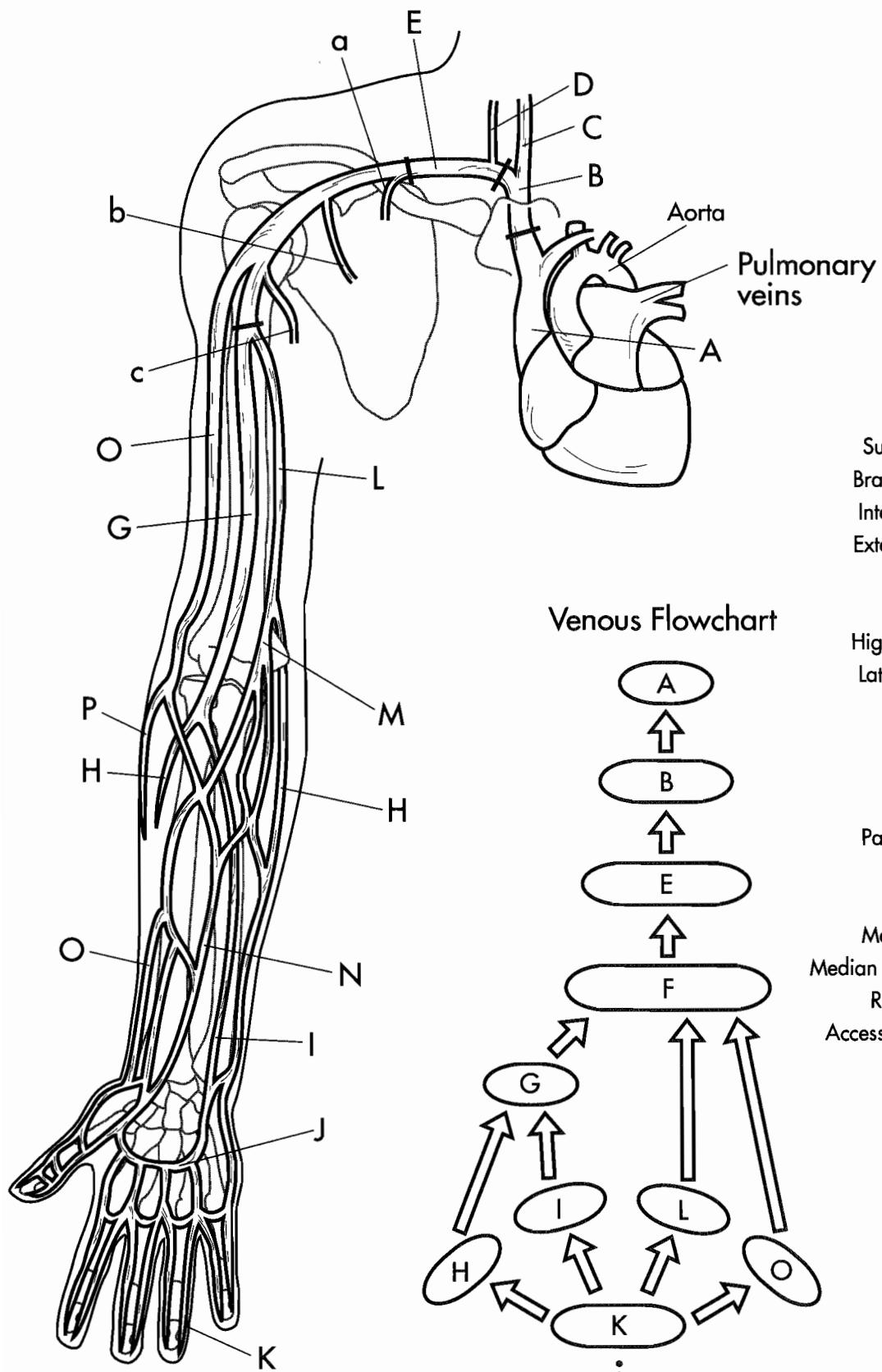
VEINS OF THE HEAD AND NECK



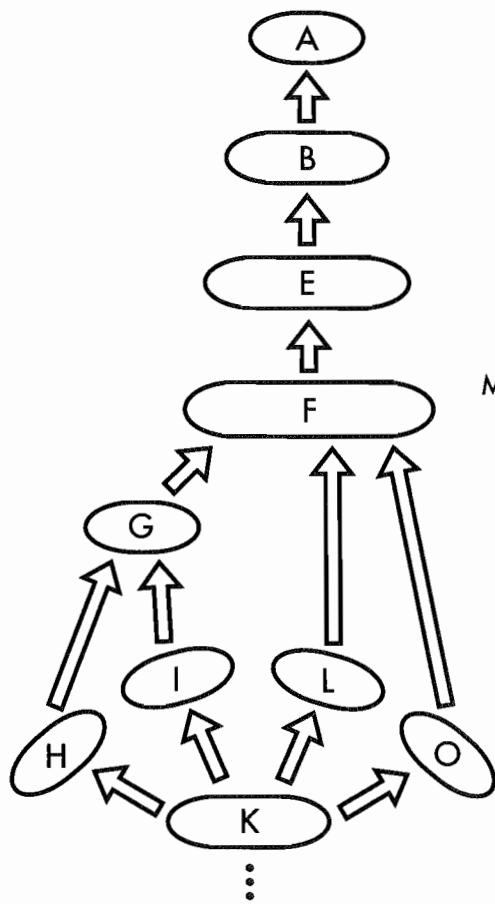
Brachiocephalic vein	A	<input type="radio"/>
Internal jugular vein	B	<input type="radio"/>
External jugular vein	C	<input type="radio"/>
Vertebral vein	D	<input type="radio"/>
Sigmoid sinus	E	<input type="radio"/>
Superior sagittal sinus	E ₁	<input type="radio"/>
Inferior sagittal sinus	E ₂	<input type="radio"/>
Straight sinus	E ₃	<input type="radio"/>
Straight sinus (continued)	E ₄	<input type="radio"/>
Occipital sinus	E ₅	<input type="radio"/>
Cavernous sinus	E ₆	<input type="radio"/>
Great cerebral vein	E ₇	<input type="radio"/>
Facial vein	F	<input type="radio"/>
Ophthalmic vein	G	<input type="radio"/>
Temporal vein	H	<input type="radio"/>
Maxillary vein	I	<input type="radio"/>
Posterior auricular vein	J	<input type="radio"/>
Occipital vein	K	<input type="radio"/>

Venous Flowchart



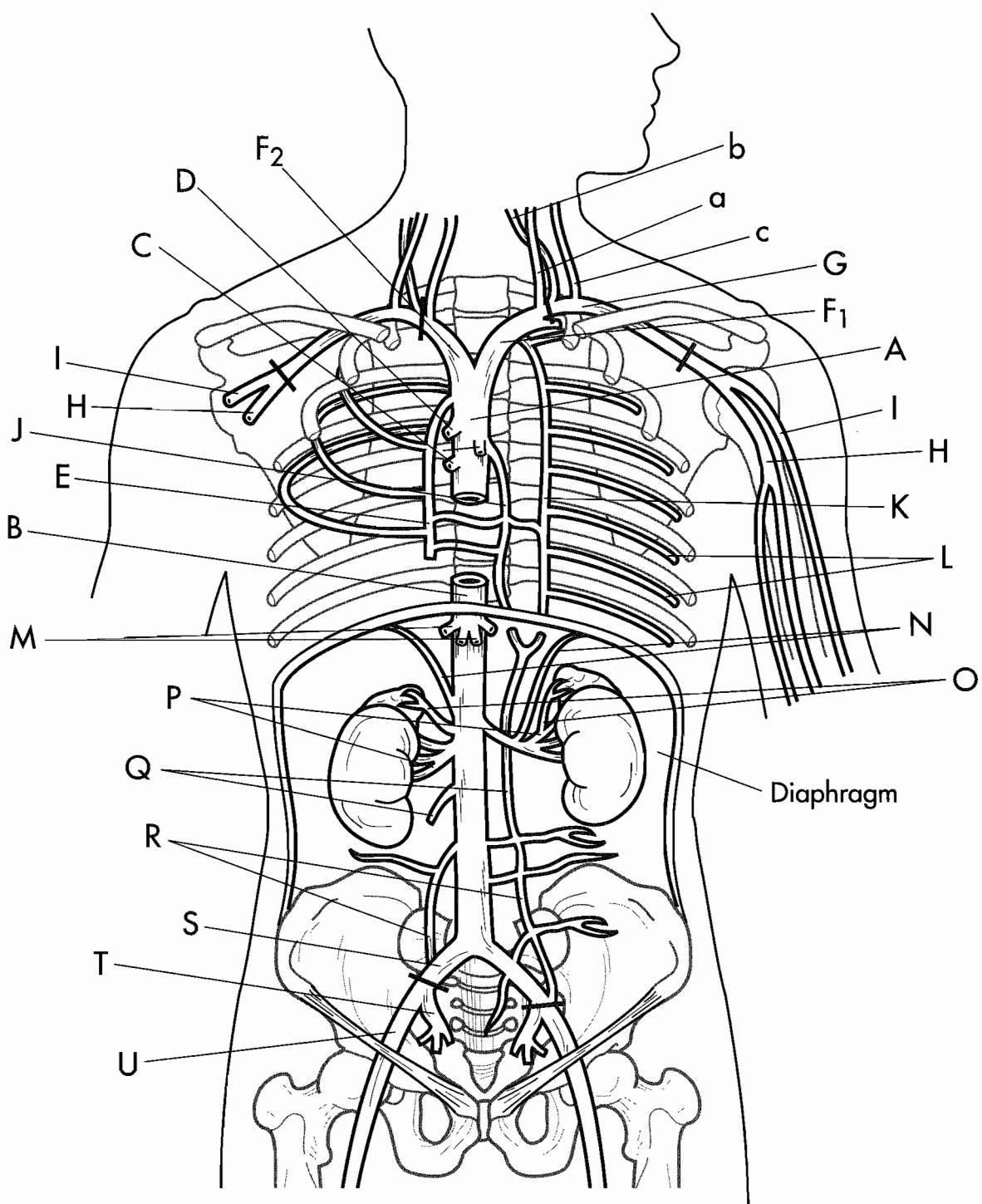


Venous Flowchart



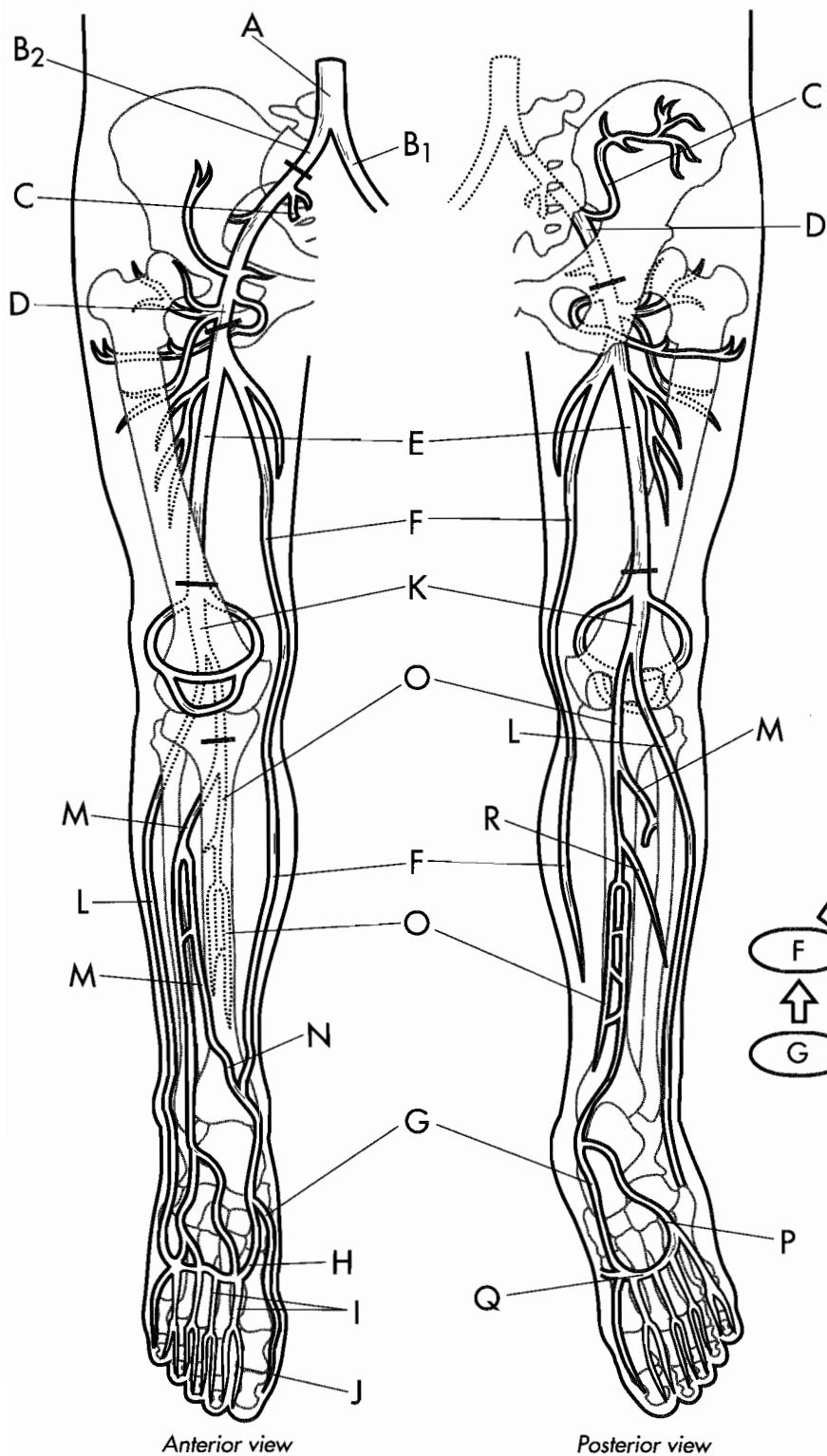
Anterior view

VEINS OF THE THORAX AND ABDOMEN

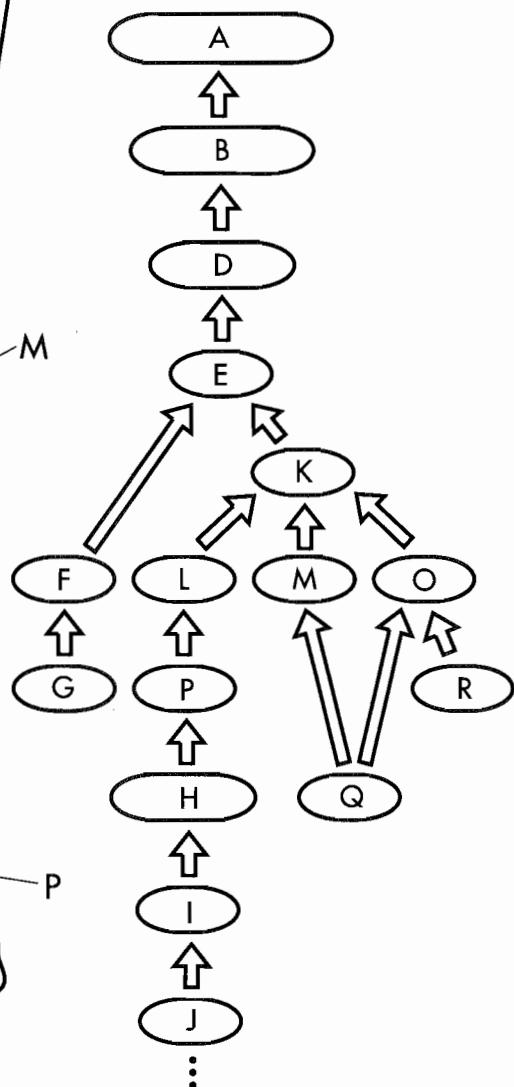


Superior vena cava	A	O	Axillary vein	H	O	Renal veins	P	O
Inferior vena cava	B	O	Cephalic vein	I	O	Gonadal veins	Q	O
Mediastinal veins	C	O	Azygous vein	J	O	Lumbar veins	R	O
Esophageal veins	D	O	Hemiazygous vein	K	O	Common iliac veins	S	O
Internal thoracic vein	E	O	Intercostal veins	L	O	Internal iliac veins	T	O
Left brachiocephalic vein	F ₁	O	Hepatic veins	M	O	External iliac veins	U	O
Right brachiocephalic vein	F ₂	O	Phrenic veins	N	O	Internal jugular vein	a	O
Subclavian vein	G	O	Suprarenal (adrenal) veins	O	O	Vertebral vein	b	O
						External jugular vein	c	O

VEINS OF THE LOWER EXTREMITY

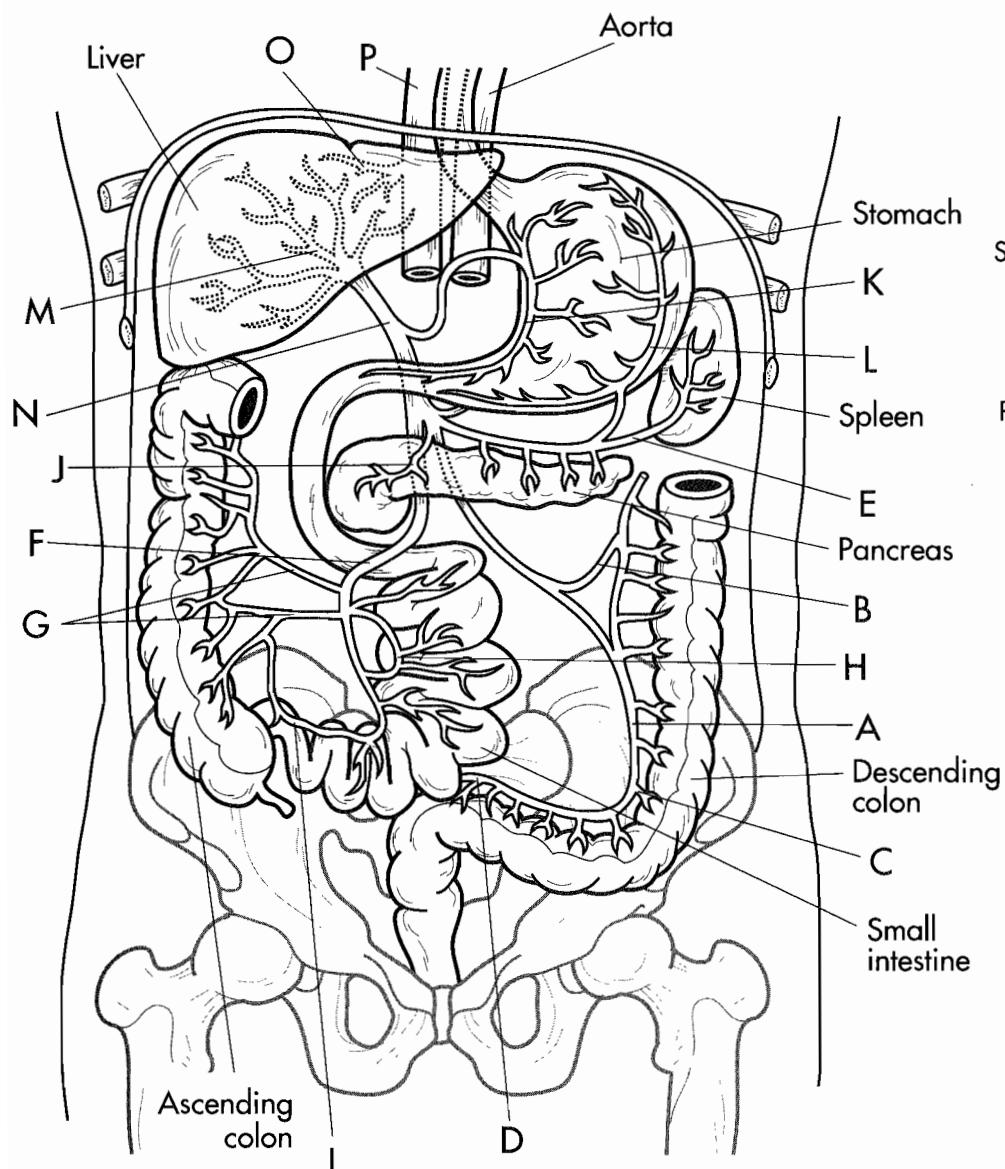


Venous Flowchart



Inferior vena cava	A	O	Great saphenous vein	F	O	Anterior tibial vein	M	O
Left common iliac vein	B ₁	O	Medial plantar vein	G	O	Dorsalis pedis veins	N	O
Right common iliac vein	B ₂	O	Dorsal venous arch	H	O	Posterior tibial vein	O	O
Internal iliac vein	C	O	Metatarsal veins	I	O	Lateral plantar vein	P	O
External iliac vein	D	O	Digital veins	J	O	Deep venous arch	Q	O
Femoral vein	E	O	Popliteal vein	K	O	Peroneal vein	R	O
			Small sphenous vein	L	O			

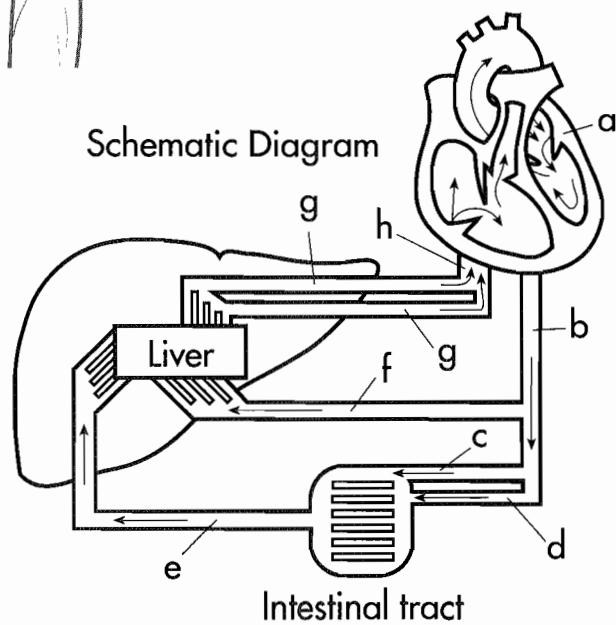
HEPATIC PORTAL SYSTEM

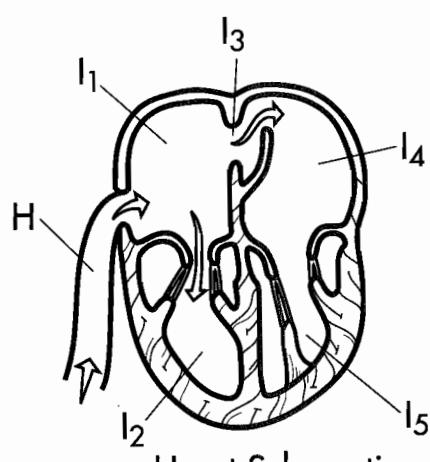
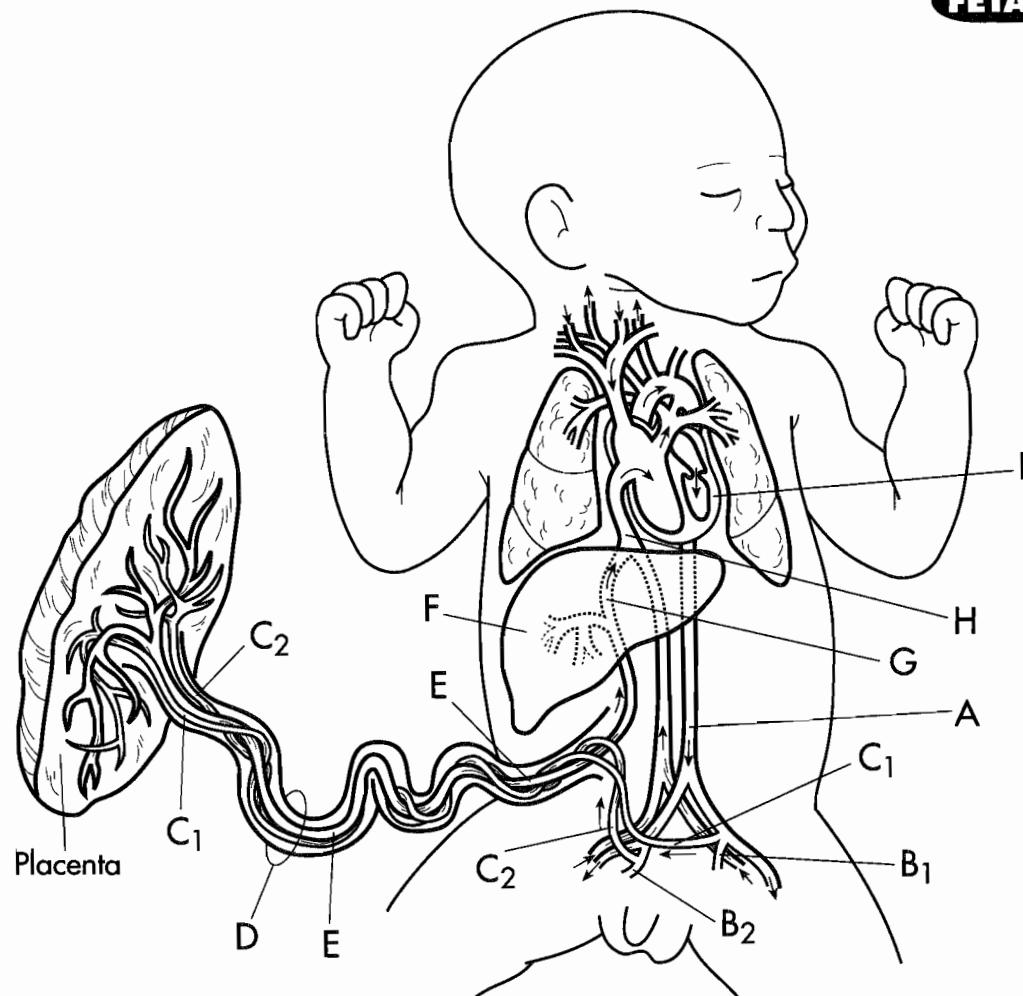


Inferior mesenteric vein	A	<input type="radio"/>
Left colic vein	B	<input type="radio"/>
Sigmoidal veins	C	<input type="radio"/>
Superior rectal veins	D	<input type="radio"/>
Splenic vein	E	<input type="radio"/>
Superior mesenteric vein	F	<input type="radio"/>
Right colic vein	G	<input type="radio"/>
Jejunal and ileal veins	H	<input type="radio"/>
Ileocolic vein	I	<input type="radio"/>
Pancreatoduodenal vein	J	<input type="radio"/>
Gastroepiploic vein	K	<input type="radio"/>
Gastric vein	L	<input type="radio"/>
Cystic vein	M	<input type="radio"/>
Hepatic portal vein	N	<input type="radio"/>
Hepatic vein	O	<input type="radio"/>
Inferior vena cava	P	<input type="radio"/>

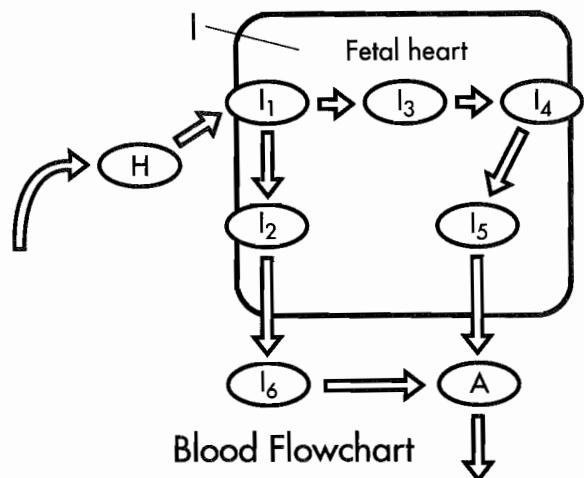
Heart	a	<input type="radio"/>
Aorta	b	<input type="radio"/>
Superior mesenteric artery	c	<input type="radio"/>
Inferior mesenteric artery	d	<input type="radio"/>
Hepatic portal vein	e	<input type="radio"/>
Hepatic artery	f	<input type="radio"/>
Hepatic veins	g	<input type="radio"/>
Inferior vena cava	h	<input type="radio"/>

Schematic Diagram





Heart Schematic



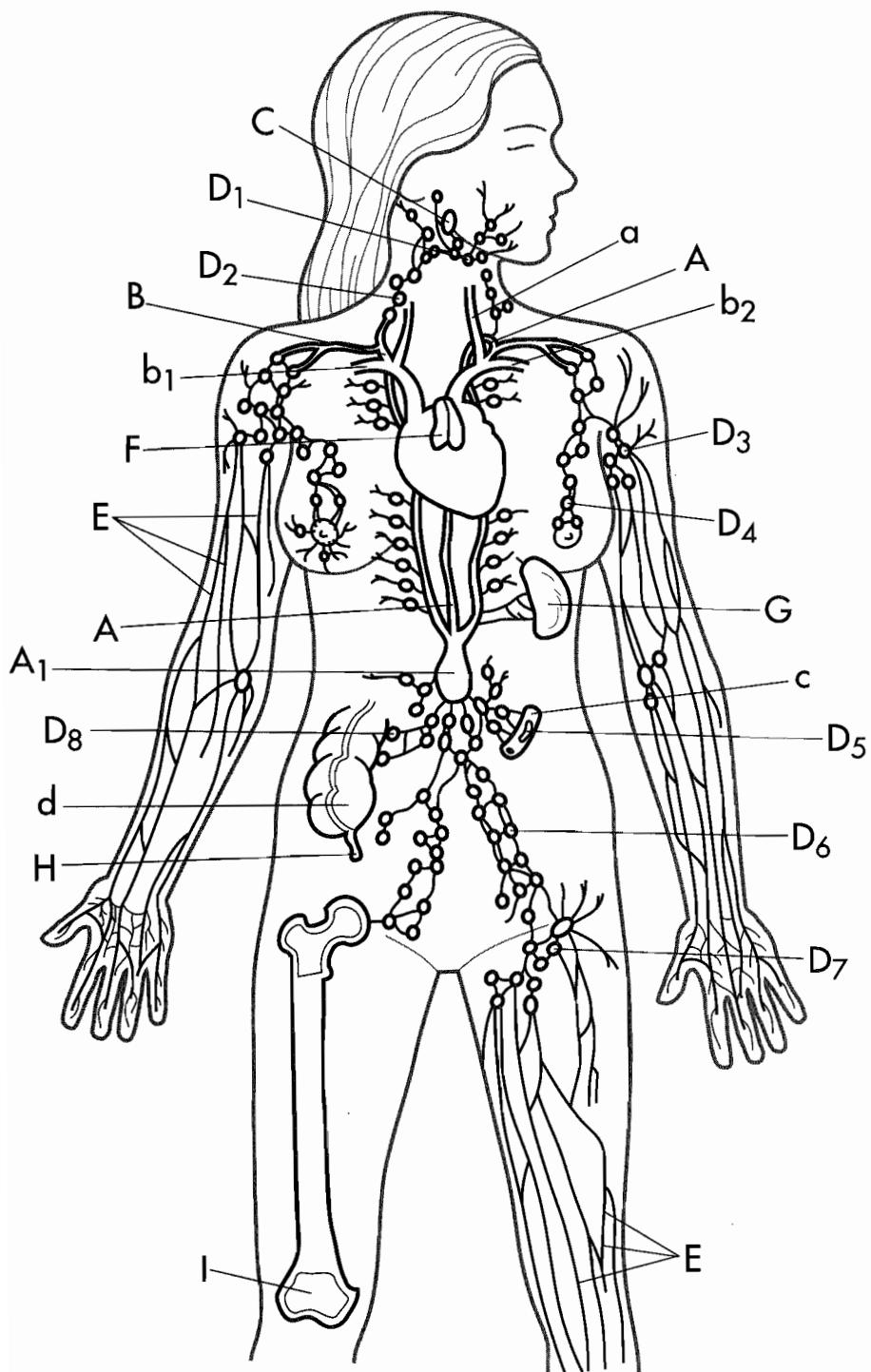
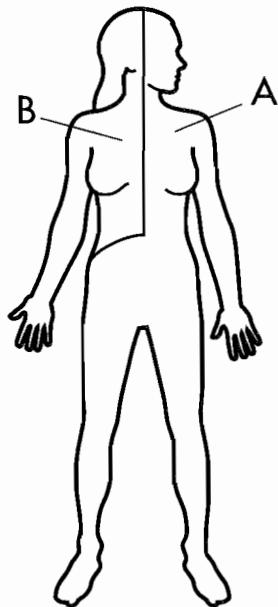
Aorta	A	<input type="radio"/>	Umbilical vein	E	<input type="radio"/>	Right ventricle	I ₂	<input type="radio"/>
Left internal iliac artery	B ₁	<input type="radio"/>	Liver	F	<input type="radio"/>	Foramen ovale	I ₃	<input type="radio"/>
Right internal iliac artery	B ₂	<input type="radio"/>	Ductus venosus	G	<input type="radio"/>	Left atrium	I ₄	<input type="radio"/>
Left umbilical artery	C ₁	<input type="radio"/>	Inferior vena cava	H	<input type="radio"/>	Left ventricle	I ₅	<input type="radio"/>
Right umbilical artery	C ₂	<input type="radio"/>	Heart	I	<input type="radio"/>	Ductus arteriosus	I ₆	<input type="radio"/>
Umbilical cord	D	<input type="radio"/>	Right atrium of the heart	I ₁	<input type="radio"/>			

CHAPTER EIGHT:

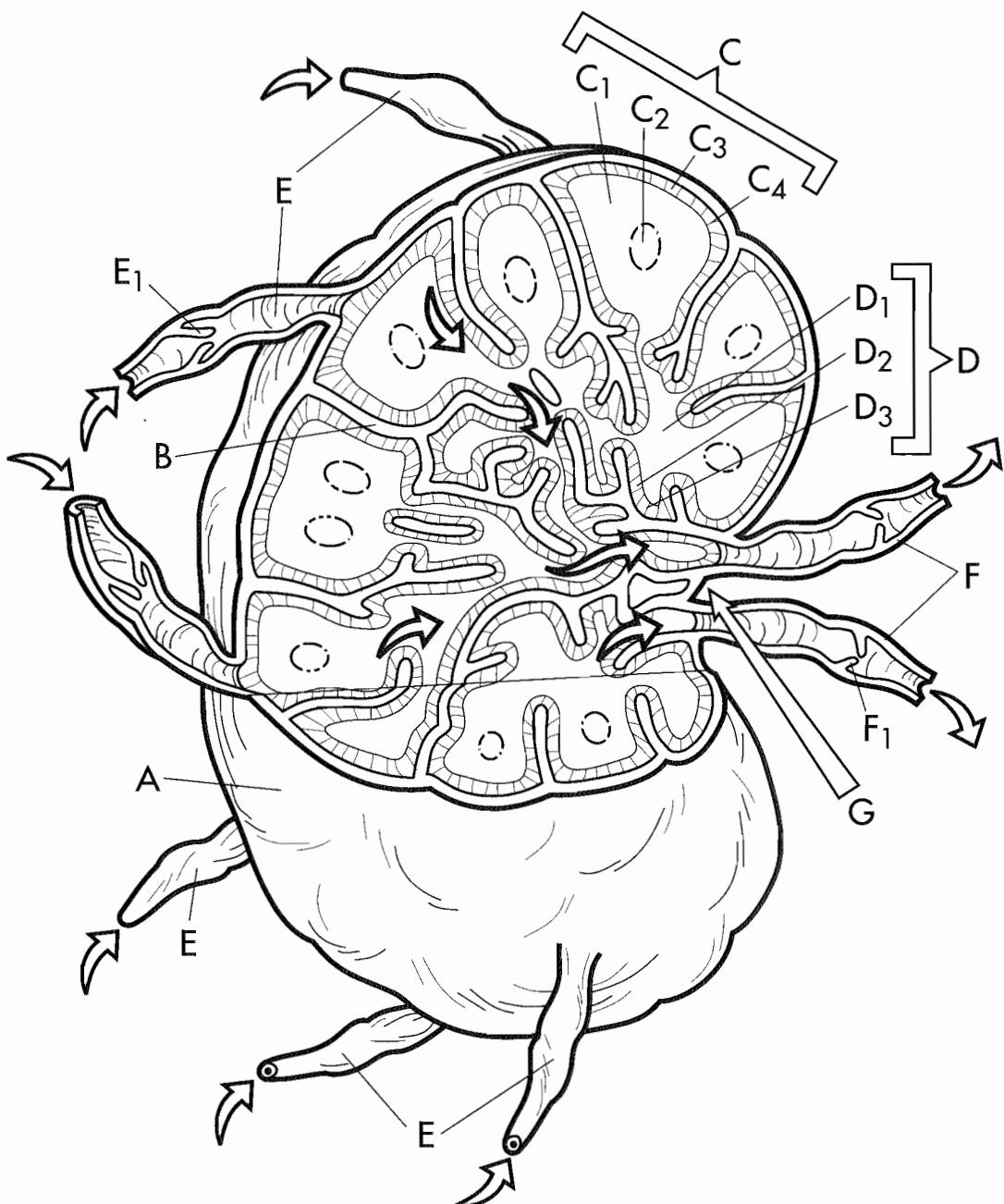
the LYMPHATIC SYSTEM

OVERVIEW OF THE LYMPHATIC SYSTEM

Thoracic duct	A	<input type="radio"/>
Cisterna chyli	A ₁	<input type="radio"/>
Right lymphatic duct	B	<input type="radio"/>
Palatine tonsil	C	<input type="radio"/>
Submandibular lymph nodes	D ₁	<input type="radio"/>
Cervical lymph nodes	D ₂	<input type="radio"/>
Axillary lymph nodes	D ₃	<input type="radio"/>
Mammary lymph nodes	D ₄	<input type="radio"/>

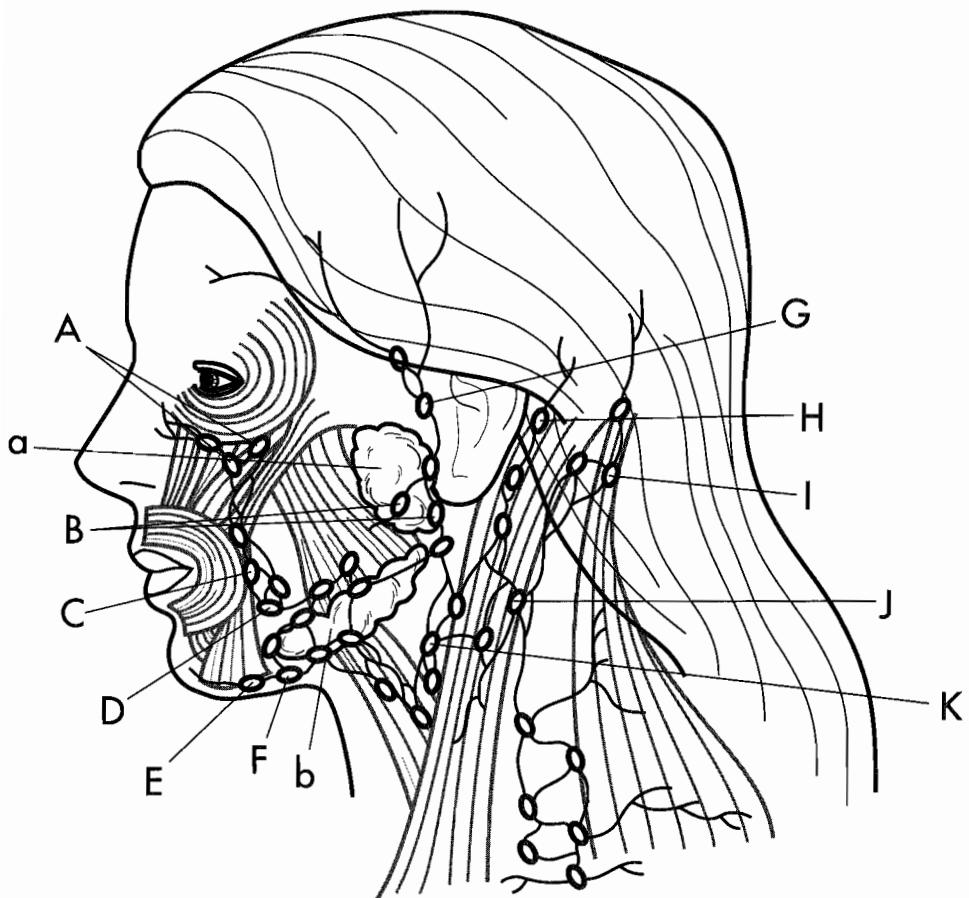


Peyer's patches	D ₅	<input type="radio"/>
Iliac lymph nodes	D ₆	<input type="radio"/>
Inguinal lymph nodes	D ₇	<input type="radio"/>
Intestinal lymph nodes	D ₈	<input type="radio"/>
Lymphatic vessels	E	<input type="radio"/>
Thymus gland	F	<input type="radio"/>
Spleen	G	<input type="radio"/>
Appendix	H	<input type="radio"/>
Bone marrow	I	<input type="radio"/>
Internal jugular vein	a	<input type="radio"/>
Right subclavian vein	b ₁	<input type="radio"/>
Left subclavian vein	b ₂	<input type="radio"/>
Small intestine	c	<input type="radio"/>
Large intestine	d	<input type="radio"/>

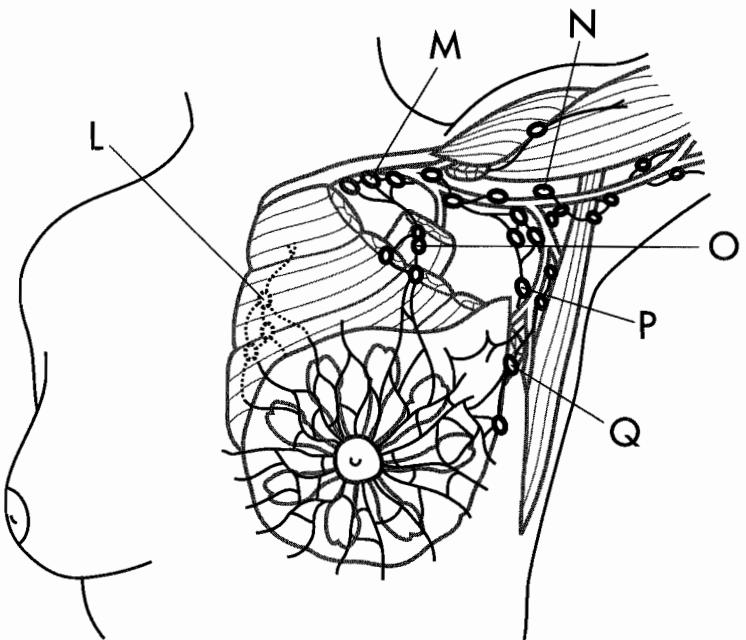


Capsule	A	O	Medullary sinus	D ₂	O
Trabeculae	B	O	Medullary reticular fibers	D ₃	O
Cortex	C	O	Afferent lymphatic vessels	E	O
Follicles	C ₁	O	Afferent valves	E ₁	O
Germinal centers	C ₂	O	Efferent lymph vessels	F	O
Cortical reticular fibers	C ₃	O	Efferent valves	F ₁	O
Cortical sinus	C ₄	O	Hilus	G	O
Medulla	D	O			
Medullary cords	D ₁	O			

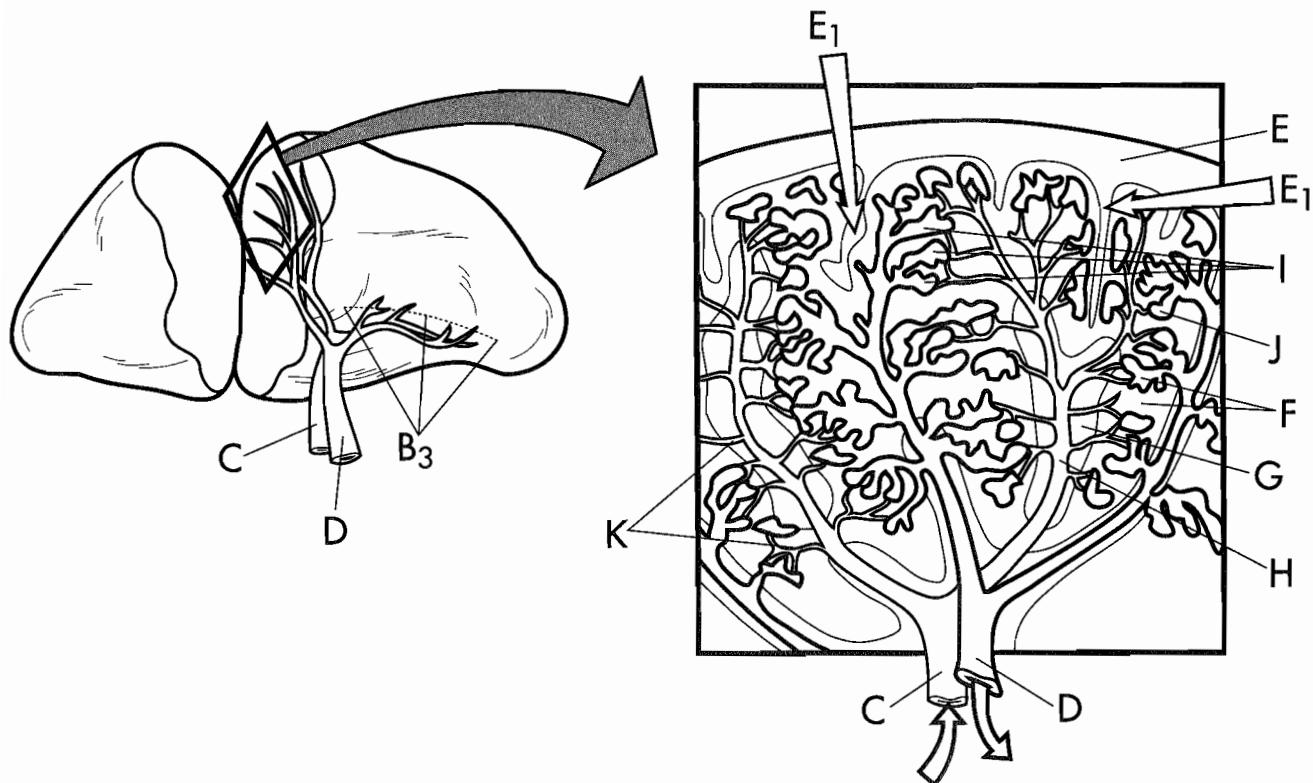
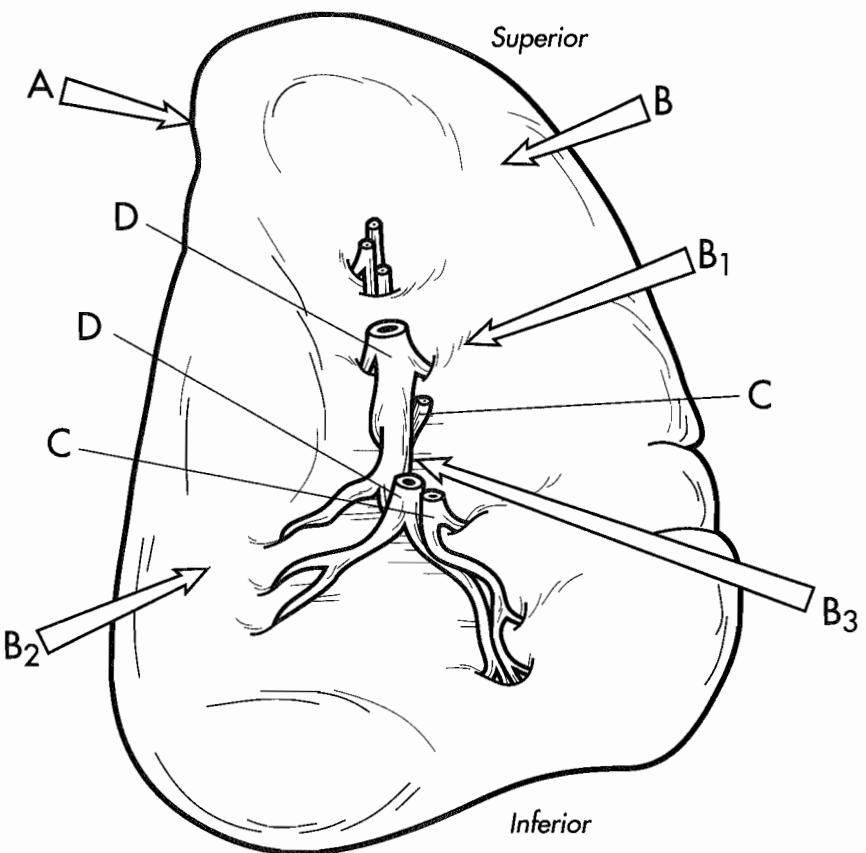
LYMPHATIC DRAINAGE OF THE HEAD



Infraorbital lymph nodes	A	○
Parotid lymph nodes	B	○
Buccal lymph nodes	C	○
Mandibular lymph nodes	D	○
Submental lymph nodes	E	○
Submandibular lymph nodes	F	○
Periauricular lymph nodes	G	○
Retroauricular lymph nodes	H	○
Occipital lymph nodes	I	○
Superficial cervical lymph nodes	J	○
Deep cervical lymph nodes	K	○
Parasternal lymph nodes	L	○
Subclavian lymph nodes	M	○
Lateral axillary lymph nodes	N	○
Central axillary lymph nodes	O	○
Subscapular lymph nodes	P	○
Pectoral lymph nodes	Q	○
Parotid gland	a	○
Submandibular gland	b	○

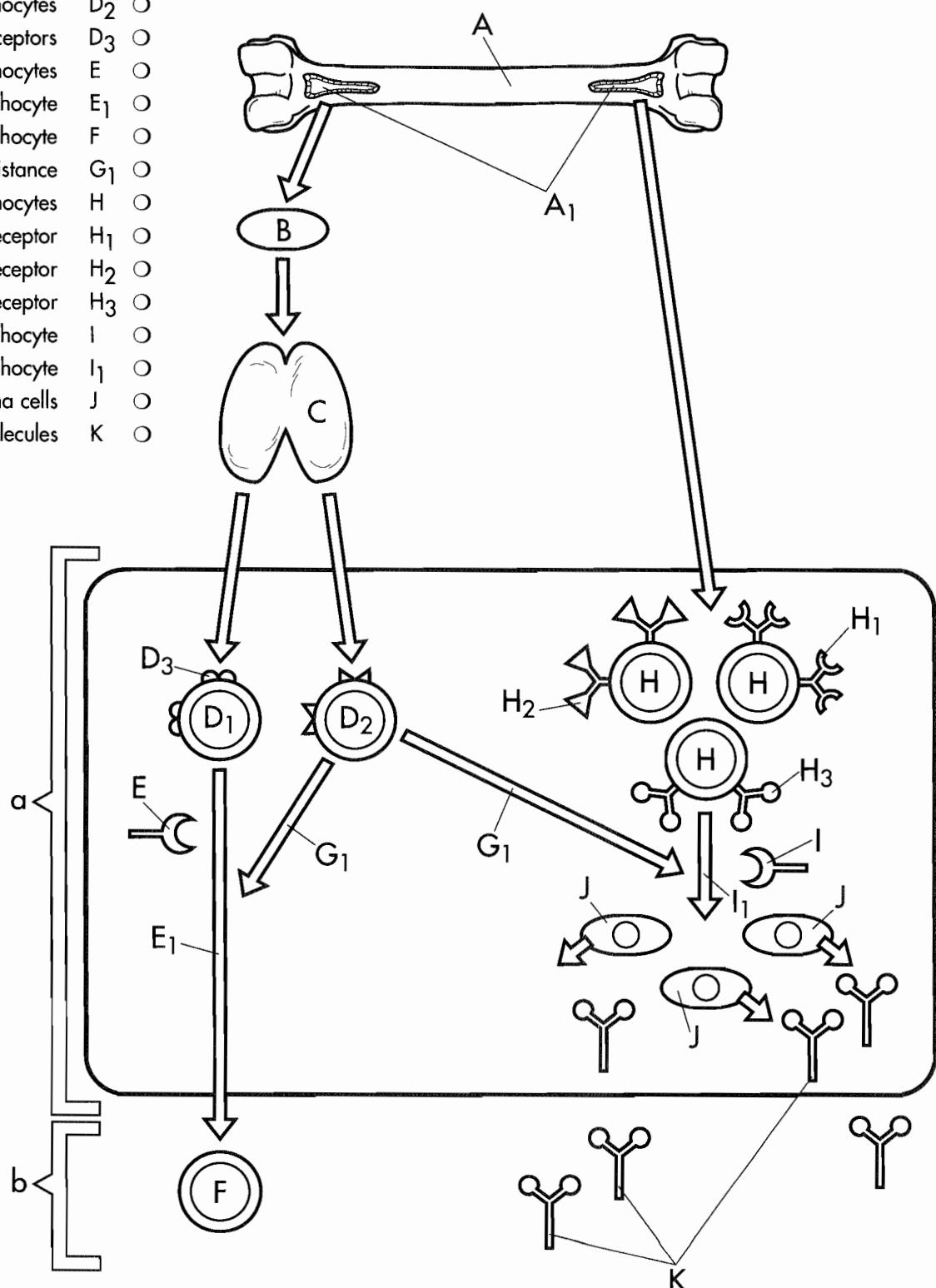


Diaphragmatic surface	A	○
Visceral surface	B	○
Gastric area	B ₁	○
Renal area	B ₂	○
Hilus	B ₃	○
Splenic artery	C	○
Splenic vein	D	○
Capsule	E	○
Trabeculum	E ₁	○
Red pulp	F	○
White pulp	G	○
Trabecular arteries	H	○
Splenic cords	I	○
Venous sinuses	J	○
Capillary network	K	○



THE IMMUNE PROCESS

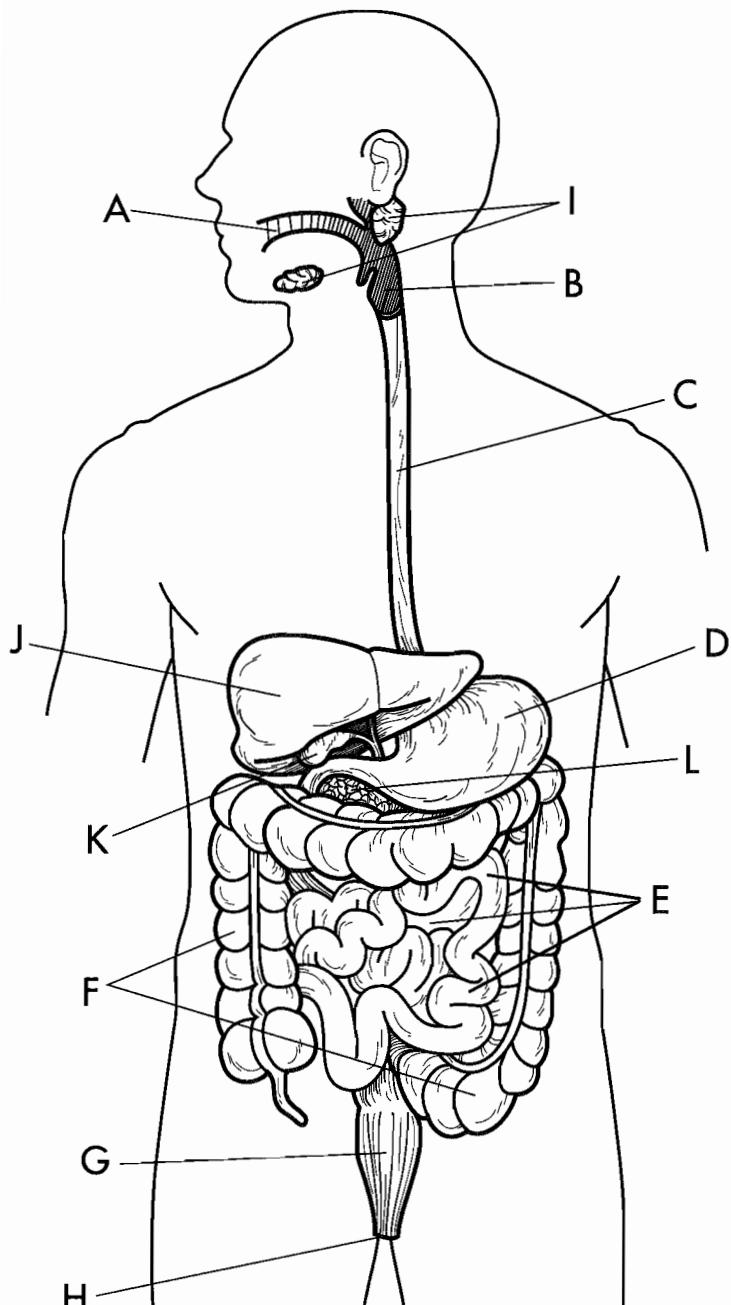
Bone	A	O	Lymphatic tissue	a	O
Bone marrow	A ₁	O	Circulation	b	O
Immature T-lymphocytes	B	O			
Thymus gland	C	O			
Mature T-lymphocytes	D ₁	O			
Helper T-lymphocytes	D ₂	O			
T-lymphocyte receptors	D ₃	O			
Antigen for T-lymphocytes	E	O			
Activation of T-lymphocyte	E ₁	O			
Cytotoxic T-lymphocyte	F	O			
Helper assistance	G ₁	O			
Mature B-lymphocytes	H	O			
B-lymphocyte receptor	H ₁	O			
B-lymphocyte receptor	H ₂	O			
B-lymphocyte receptor	H ₃	O			
Antigen for B-lymphocyte	I	O			
Activation of B-lymphocyte	I ₁	O			
Plasma cells	J	O			
Antibody molecules	K	O			



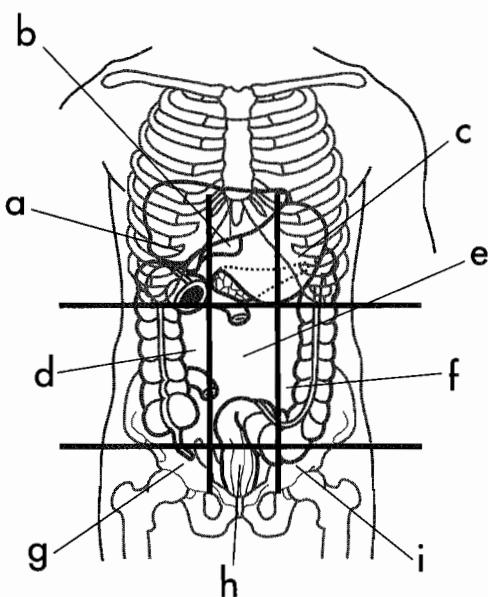
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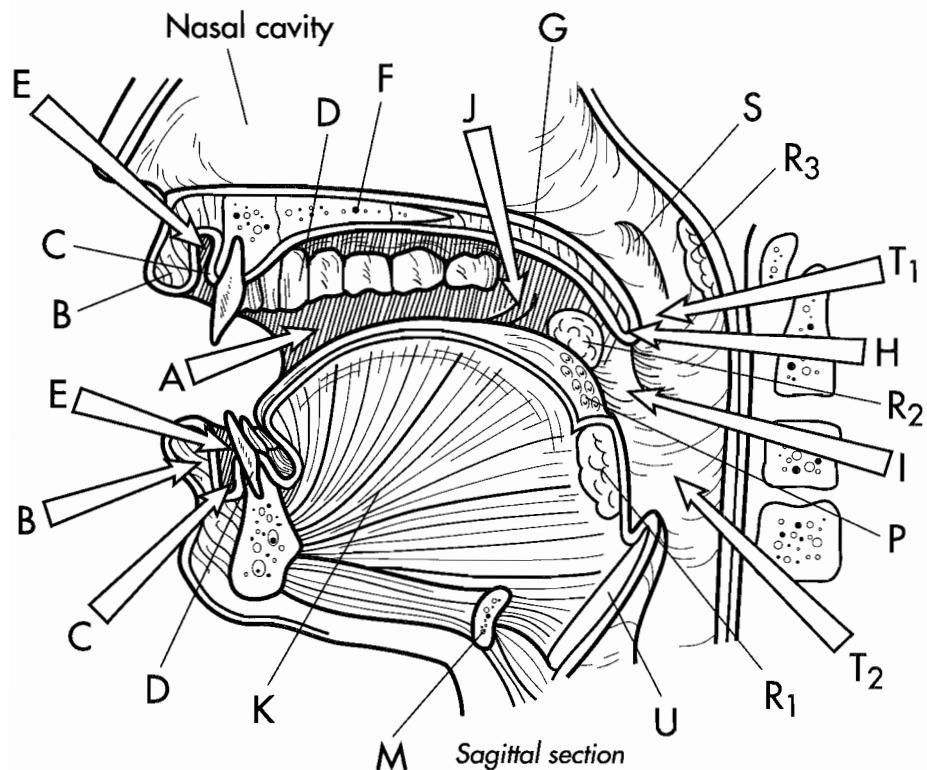
the DIGESTIVE SYSTEM

OVERVIEW OF THE DIGESTIVE SYSTEM

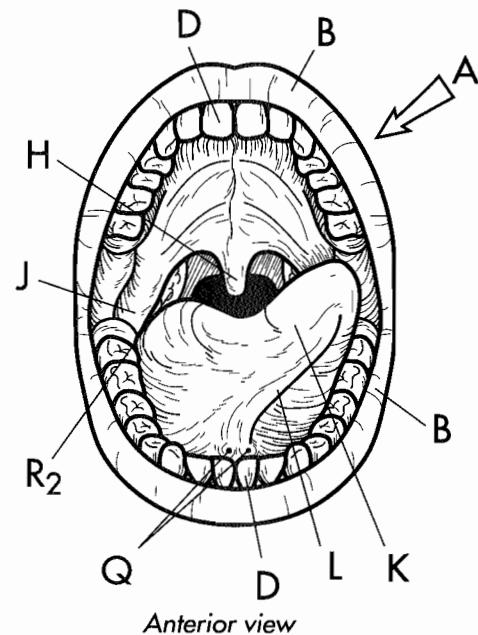
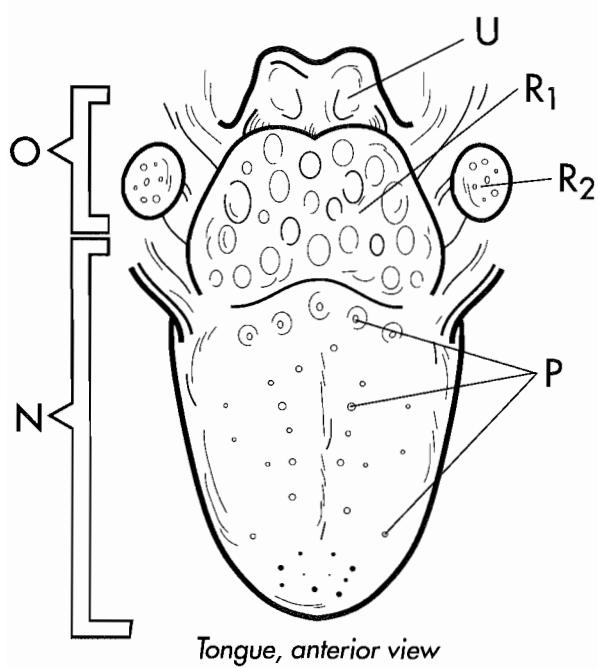


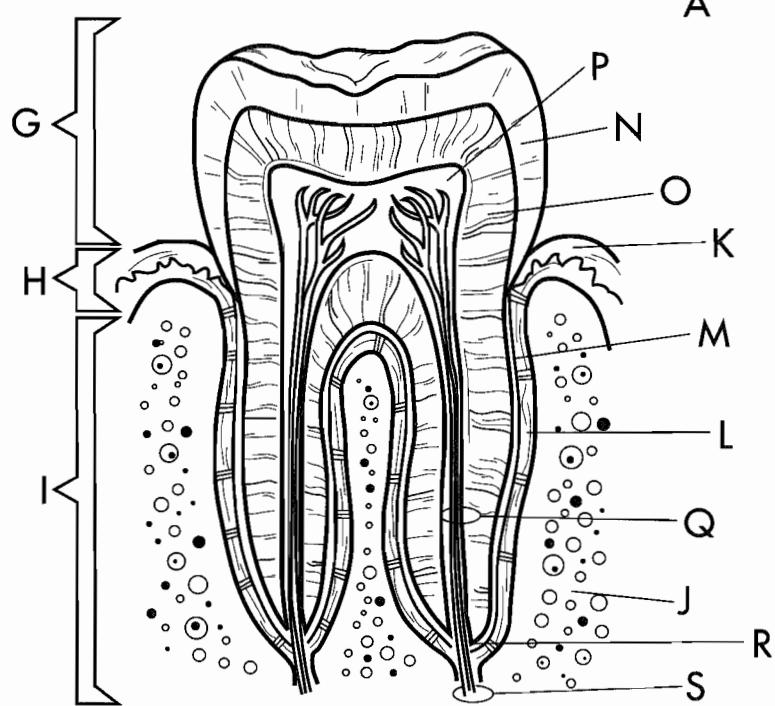
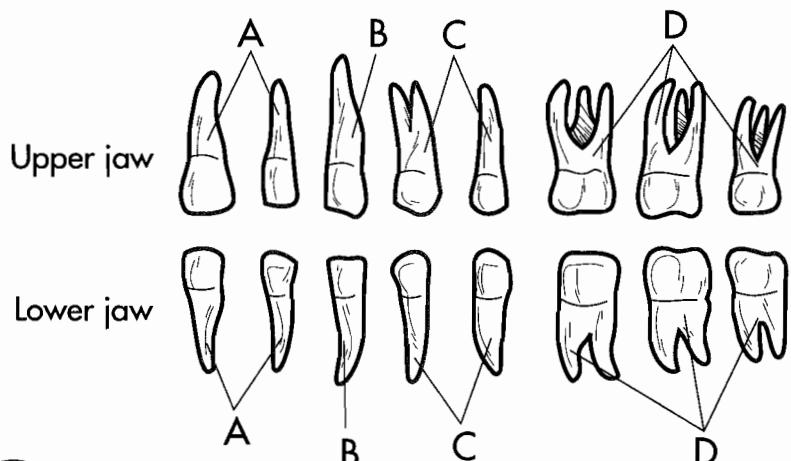
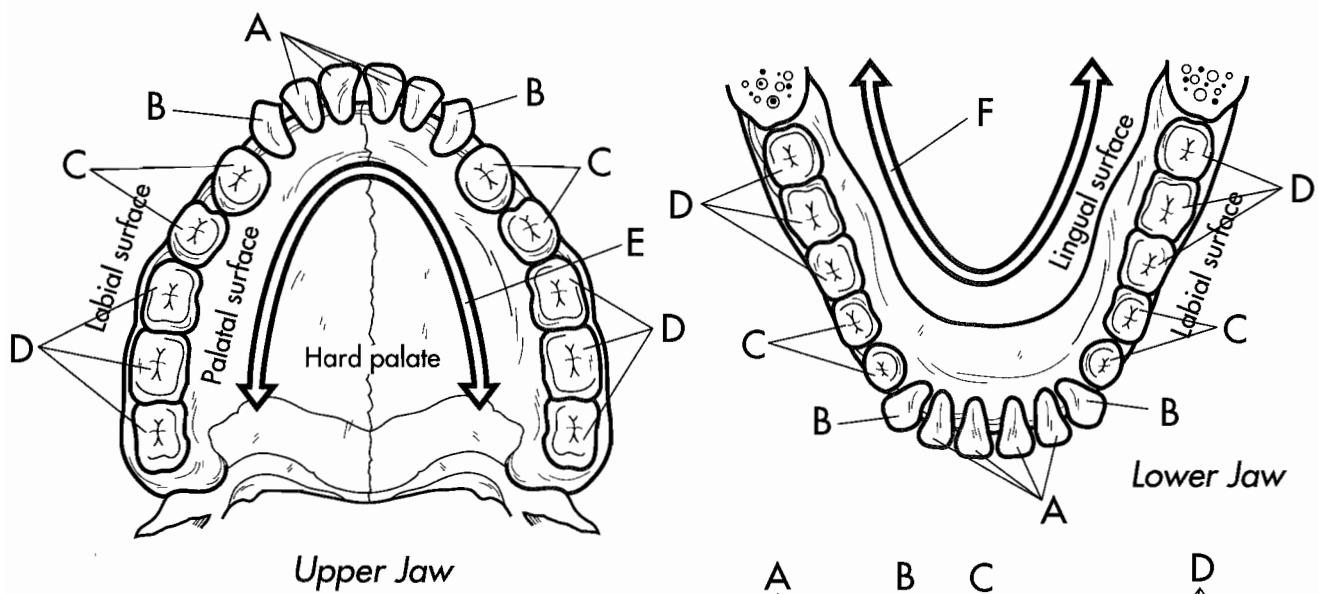
Oral cavity	A	<input type="radio"/>
Pharynx	B	<input type="radio"/>
Esophagus	C	<input type="radio"/>
Stomach	D	<input type="radio"/>
Small intestine	E	<input type="radio"/>
Large intestine	F	<input type="radio"/>
Rectum	G	<input type="radio"/>
Anus	H	<input type="radio"/>
Salivary glands	I	<input type="radio"/>
Liver	J	<input type="radio"/>
Gallbladder	K	<input type="radio"/>
Pancreas	L	<input type="radio"/>
Right upper quadrant	a	<input type="radio"/>
Epigastric region	b	<input type="radio"/>
Left upper quadrant	c	<input type="radio"/>
Right lumbar region	d	<input type="radio"/>
Umbilical region	e	<input type="radio"/>
Left lumbar region	f	<input type="radio"/>
Right inguinal region	g	<input type="radio"/>
Hypogastric region	h	<input type="radio"/>
Left inguinal region	i	<input type="radio"/>



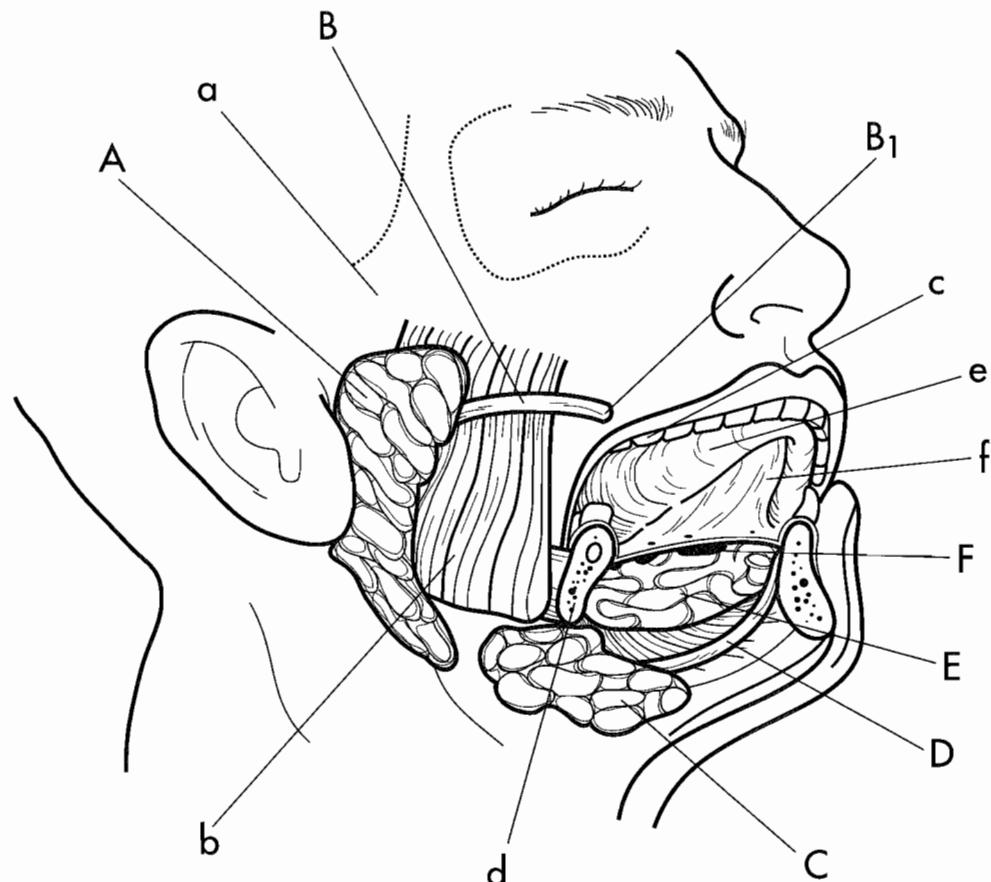


Cheek	A	O
Lips	B	O
Vestibule	C	O
Teeth	D	O
Gingiva	E	O
Hard palate	F	O
Soft palate	G	O
Uvula	H	O
Palatopharyngeal arch	I	O
Palatoglossal arch	J	O
Tongue	K	O
Lingual frenulum	L	O
Hyoid bone	M	O
Body	N	O
Root	O	O
Papillae	P	O
Sublingual salivary glands	Q	O
Lingual tonsils	R ₁	O
Palatine tonsils	R ₂	O
Pharyngeal tonsil	R ₃	O
Eustachian tube	S	O
Nasopharynx	T ₁	O
Oropharynx	T ₂	O
Epiglottis	U	O



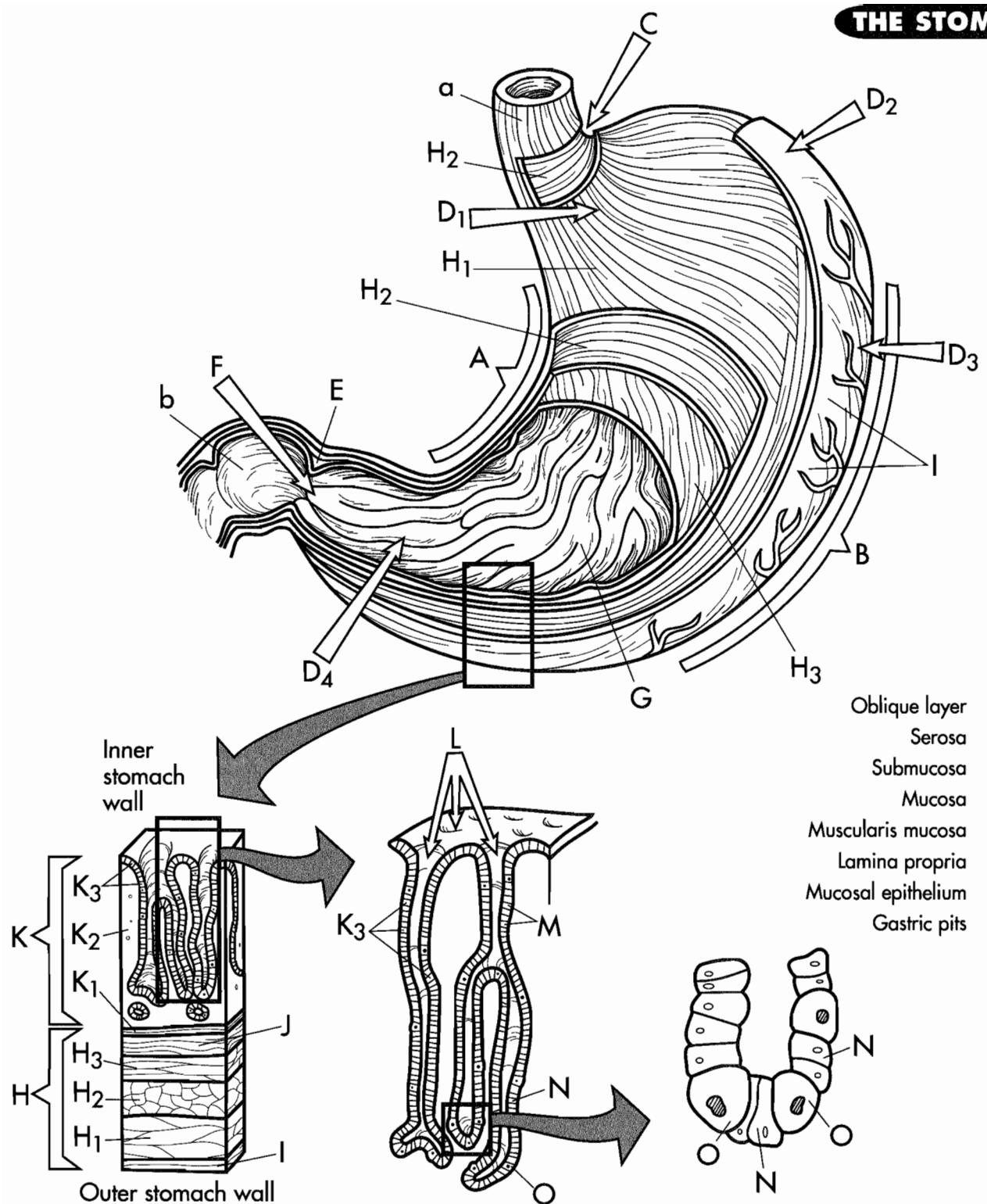


Incisors	A	<input type="radio"/>
Cuspids	B	<input type="radio"/>
Bicuspids	C	<input type="radio"/>
Molars	D	<input type="radio"/>
Upper dental arch	E	<input type="radio"/>
Lower dental arch	F	<input type="radio"/>
Crown	G	<input type="radio"/>
Neck	H	<input type="radio"/>
Root	I	<input type="radio"/>
Alveolar bone	J	<input type="radio"/>
Gingiva	K	<input type="radio"/>
Periodontal ligament	L	<input type="radio"/>
Cementum	M	<input type="radio"/>
Enamel	N	<input type="radio"/>
Dentin	O	<input type="radio"/>
Pulp cavity	P	<input type="radio"/>
Root canal	Q	<input type="radio"/>
Apical foramen	R	<input type="radio"/>
Nerves	S	<input type="radio"/>



Parotid glands	A	<input type="radio"/>
Parotid duct (Stenson's duct)	B	<input type="radio"/>
Opening of the parotid duct	B ₁	<input type="radio"/>
Submandibular gland	C	<input type="radio"/>
Submandibular duct (Wharton's duct)	D	<input type="radio"/>
Sublingual glands	E	<input type="radio"/>
Sublingual ducts	F	<input type="radio"/>
Zygomatic arch	a	<input type="radio"/>
Masseter muscle	b	<input type="radio"/>
Second maxillary molar	c	<input type="radio"/>
Mandible	d	<input type="radio"/>
Lingual frenulum	e	<input type="radio"/>
Tongue	f	<input type="radio"/>

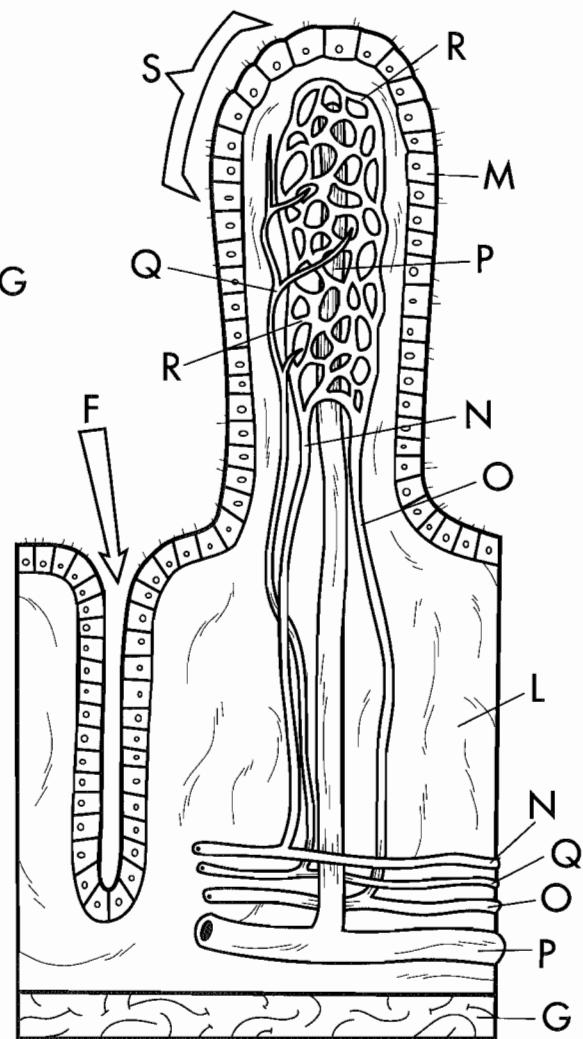
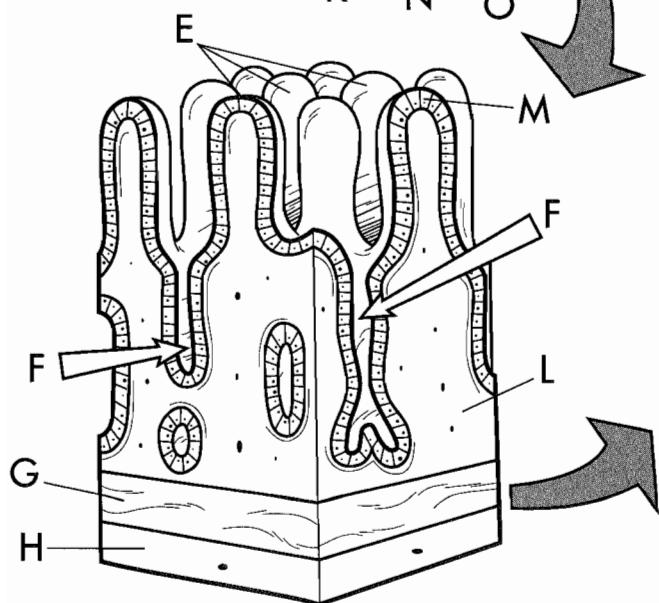
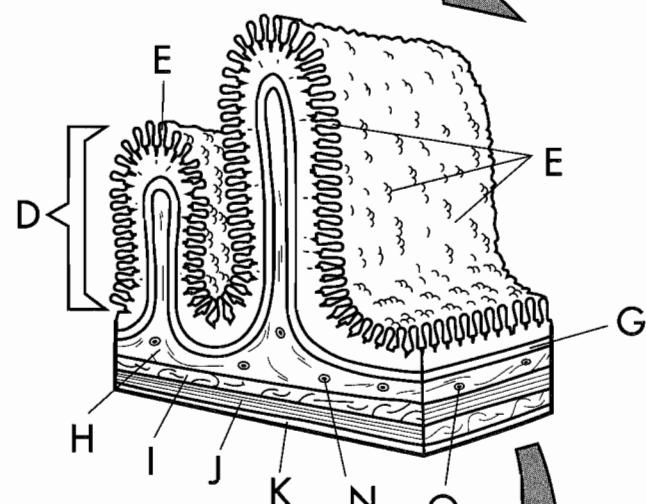
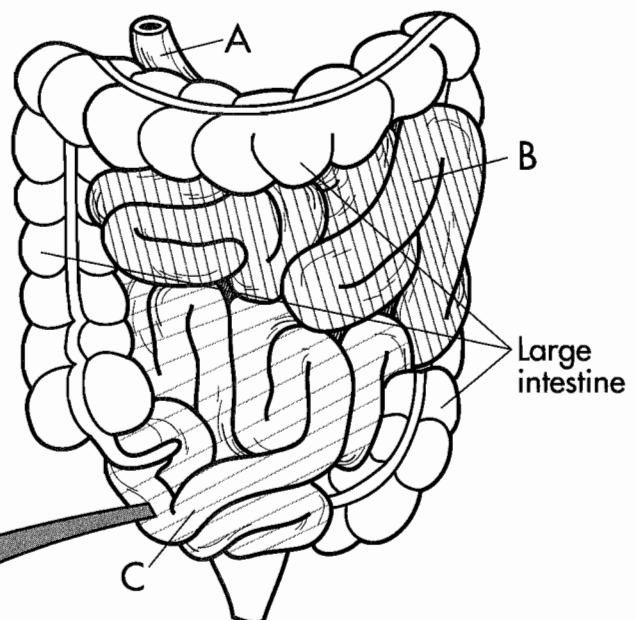
THE STOMACH



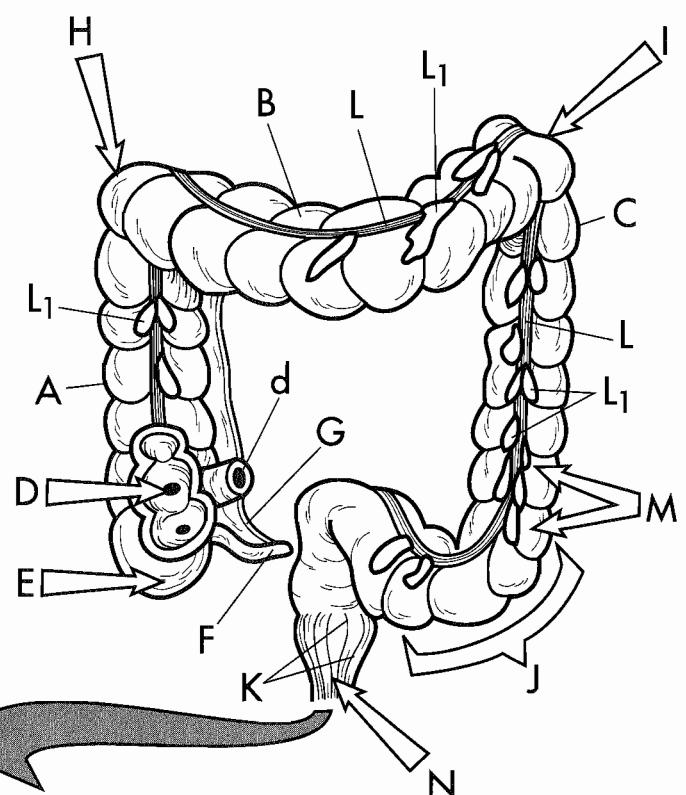
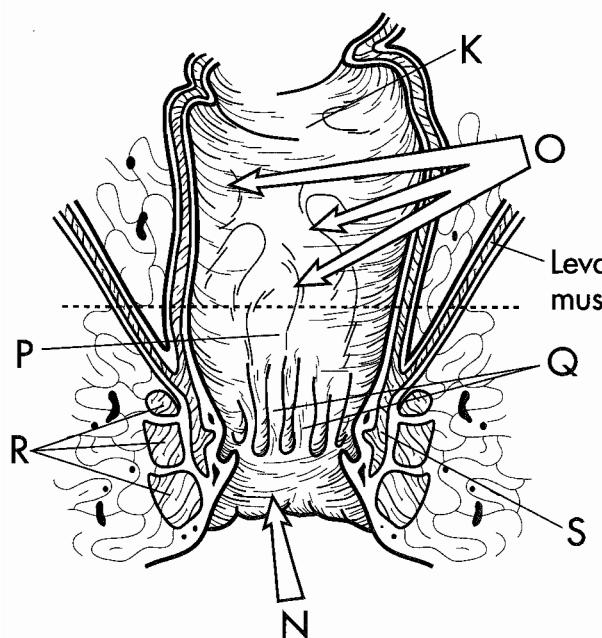
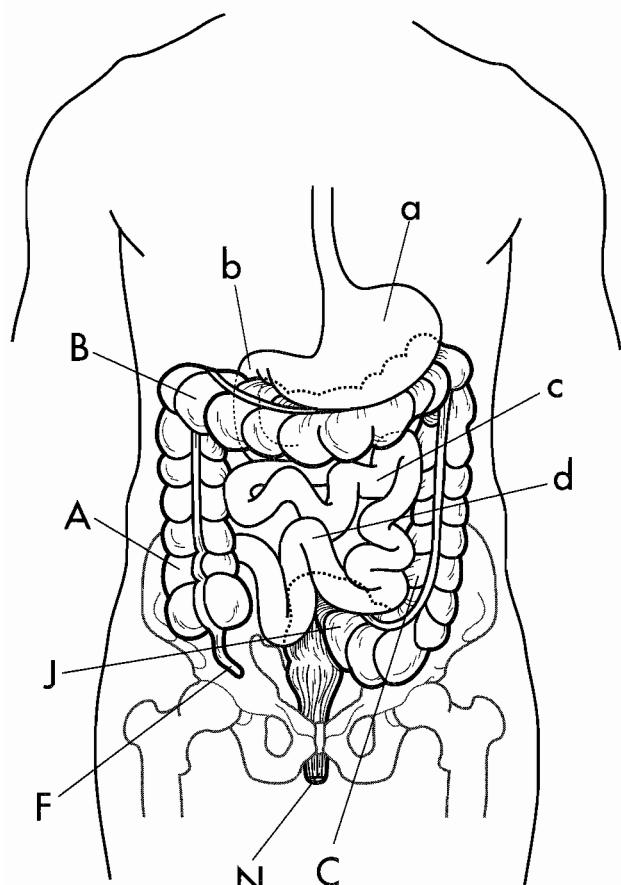
Lesser curvature	A	<input type="radio"/>	Pyloric sphincter	E	<input type="radio"/>	Neck mucous cells	M	<input type="radio"/>
Greater curvature	B	<input type="radio"/>	Pyloric outlet	F	<input type="radio"/>	Chief cells	N	<input type="radio"/>
Cardiac sphincter	C	<input type="radio"/>	Rugae	G	<input type="radio"/>	Parietal cell	O	<input type="radio"/>
Cardia	D ₁	<input type="radio"/>	Muscularis externa	H	<input type="radio"/>	Esophagus	a	<input type="radio"/>
Fundus	D ₂	<input type="radio"/>	Longitudinal layer	H ₁	<input type="radio"/>	Duodenum	b	<input type="radio"/>
Body	D ₃	<input type="radio"/>	Middle circular layer	H ₂	<input type="radio"/>			
Pylorus	D ₄	<input type="radio"/>						

THE SMALL INTESTINE

Duodenum	A	O
Jejunum	B	O
Ileum	C	O
Plicae circulares	D	O
Villi	E	O
Intestinal crypts	F	O
Muscularis mucosa	G	O
Submucosa	H	O
Circular muscle	I	O
Longitudinal muscle	J	O
Serosa	K	O
Lamina propria	L	O
Epithelium	M	O
Artery	N	O
Vein	O	O
Lymph vessel	P	O
Nerve	Q	O
Capillary network	R	O
Microvilli	S	O



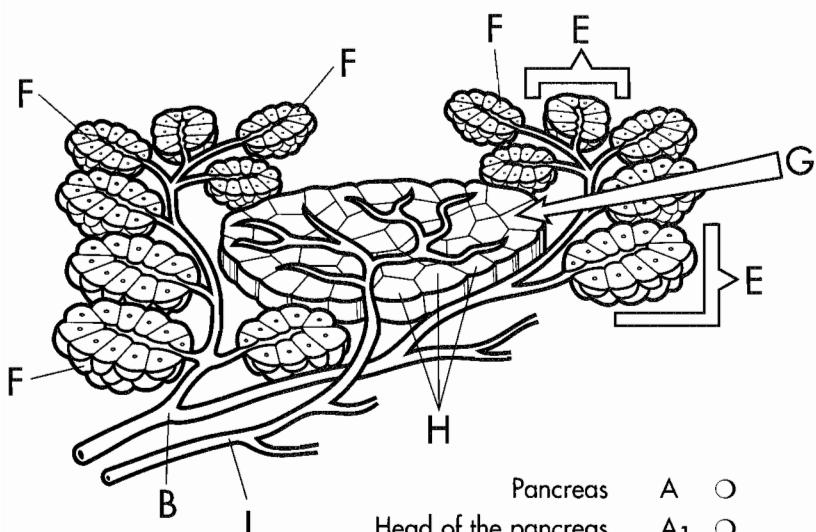
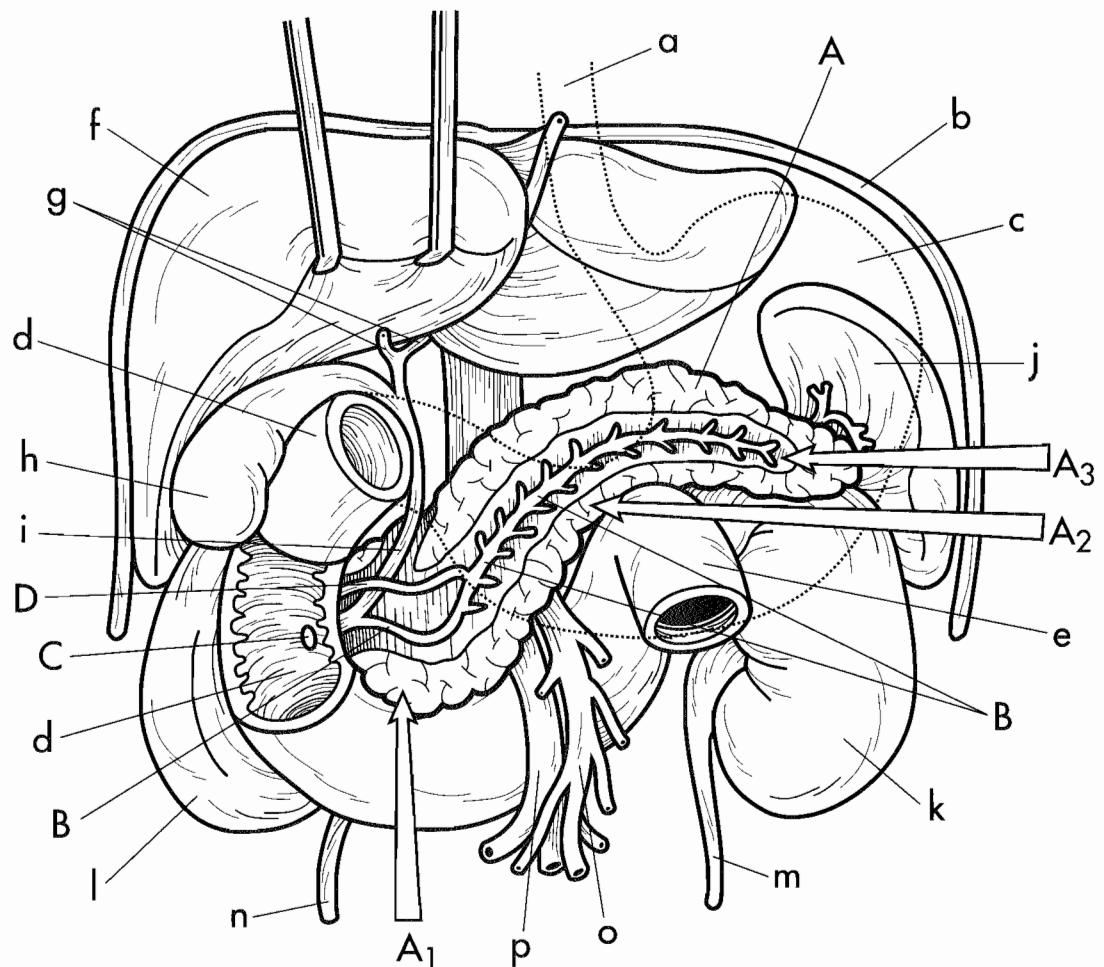
THE LARGE INTESTINE



Ascending colon	A	<input type="radio"/>
Transverse colon	B	<input type="radio"/>
Descending colon	C	<input type="radio"/>
Ileocecal valve	D	<input type="radio"/>
Cecum	E	<input type="radio"/>
Vermiform appendix	F	<input type="radio"/>
Mesoappendix	G	<input type="radio"/>
Hepatic flexure	H	<input type="radio"/>
Splenic flexure	I	<input type="radio"/>
Sigmoid colon	J	<input type="radio"/>
Rectum	K	<input type="radio"/>

Taeniae coli	L	O
Epiploic appendages	L ₁	O
Haustra	M	O
Anus	N	O
Plicae transversales	O	O
Anal canal	P	O
Anal columns	Q	O
External anal sphincter	R	O
Internal anal sphincter	S	O
Stomach	a	O
Duodenum	b	O
Jejunum	c	O
Ileum	d	O

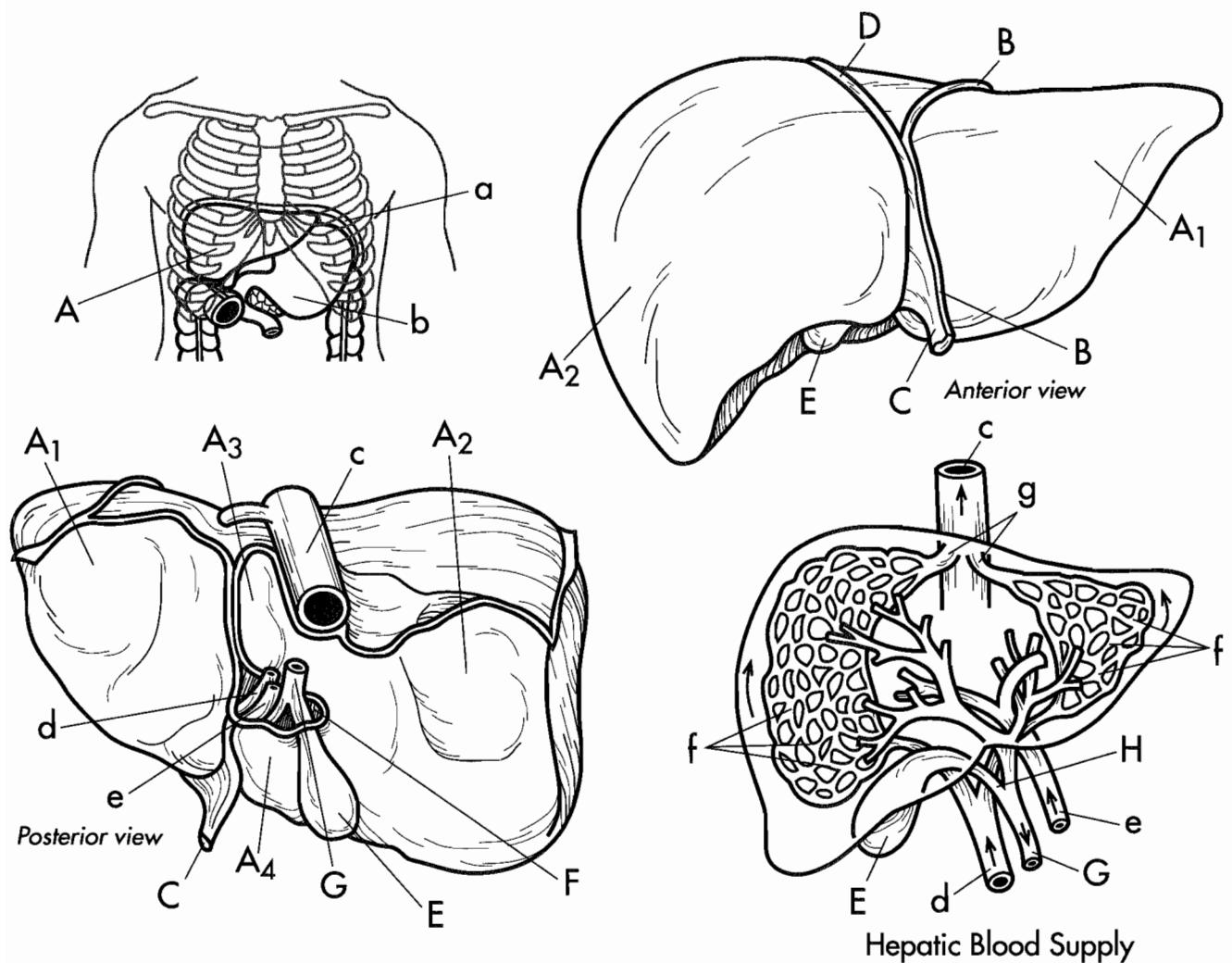
THE PANCREAS (EXOCRINE FUNCTION)



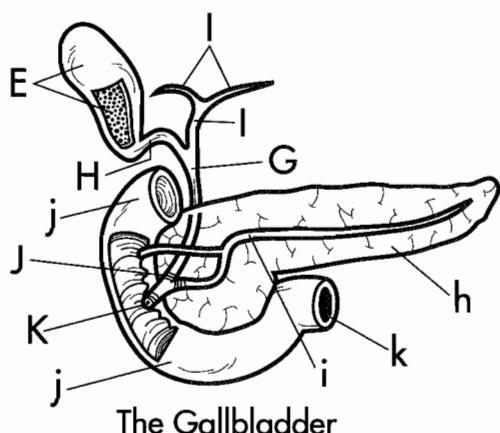
Pancreas	A	<input type="radio"/>
Head of the pancreas	A ₁	<input type="radio"/>
Body of the pancreas	A ₂	<input type="radio"/>
Tail of the pancreas	A ₃	<input type="radio"/>
Main pancreatic duct	B	<input type="radio"/>
Ampulla of Vater	C	<input type="radio"/>
Accessory pancreatic duct	D	<input type="radio"/>
Acinus	E	<input type="radio"/>
Exocrine cells	F	<input type="radio"/>

Islets of Langerhans	G	<input type="radio"/>
Exocrine cells	H	<input type="radio"/>
Blood vessel	I	<input type="radio"/>
Esophagus	a	<input type="radio"/>
Diaphragm	b	<input type="radio"/>
Stomach	c	<input type="radio"/>
Duodenum	d	<input type="radio"/>
Jejunum	e	<input type="radio"/>
Liver	f	<input type="radio"/>
Hepatic ducts	g	<input type="radio"/>
Gallbladder	h	<input type="radio"/>
Common bile duct	i	<input type="radio"/>
Spleen	j	<input type="radio"/>
Left kidney	k	<input type="radio"/>
Right kidney	l	<input type="radio"/>
Left ureter	m	<input type="radio"/>
Right ureter	n	<input type="radio"/>
Superior mesentery artery	o	<input type="radio"/>
Superior mesentery vein	p	<input type="radio"/>

THE LIVER AND THE GALLBLADDER



Coronary ligament	D	<input type="radio"/>
Gallbladder	E	<input type="radio"/>
Porta hepatis	F	<input type="radio"/>
Common bile duct	G	<input type="radio"/>
Cystic duct	H	<input type="radio"/>
Hepatic duct	I	<input type="radio"/>
Sphincter	J	<input type="radio"/>
Ampulla of Vater	K	<input type="radio"/>
Diaphragm	a	<input type="radio"/>
Stomach	b	<input type="radio"/>
Inferior vena cava	c	<input type="radio"/>
Hepatic portal vein	d	<input type="radio"/>
Hepatic artery	e	<input type="radio"/>
Capillary network	f	<input type="radio"/>
Hepatic vein	g	<input type="radio"/>
Pancreas	h	<input type="radio"/>
Pancreatic duct	i	<input type="radio"/>
Duodenum	j	<input type="radio"/>
Jejunum	k	<input type="radio"/>

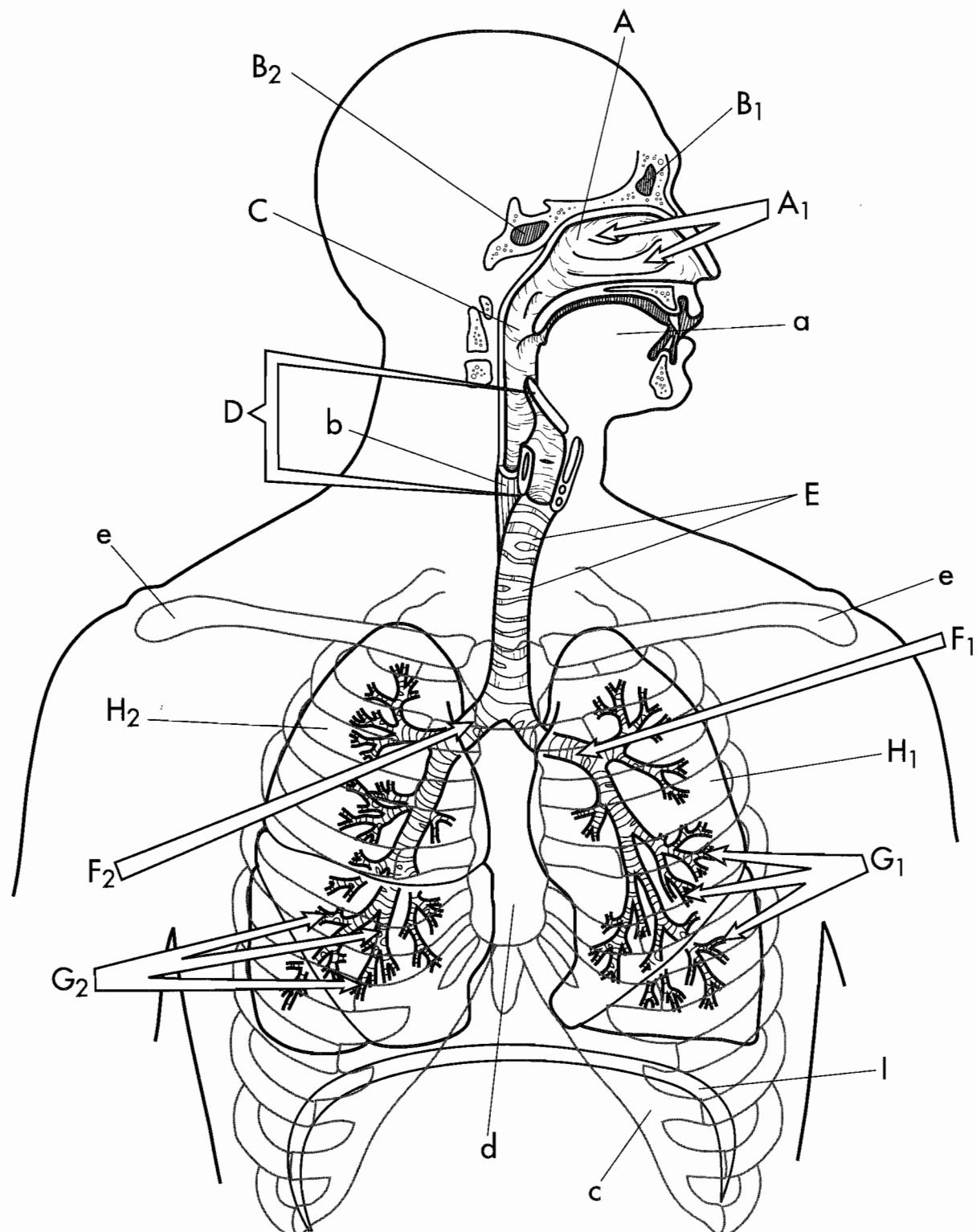


Liver	A	<input type="radio"/>
Left lobe	A ₁	<input type="radio"/>
Right lobe	A ₂	<input type="radio"/>
Caudate lobe	A ₃	<input type="radio"/>
Quadrant lobe	A ₄	<input type="radio"/>
Falciform ligament	B	<input type="radio"/>
Round ligament	C	<input type="radio"/>

CHAPTER TEN:

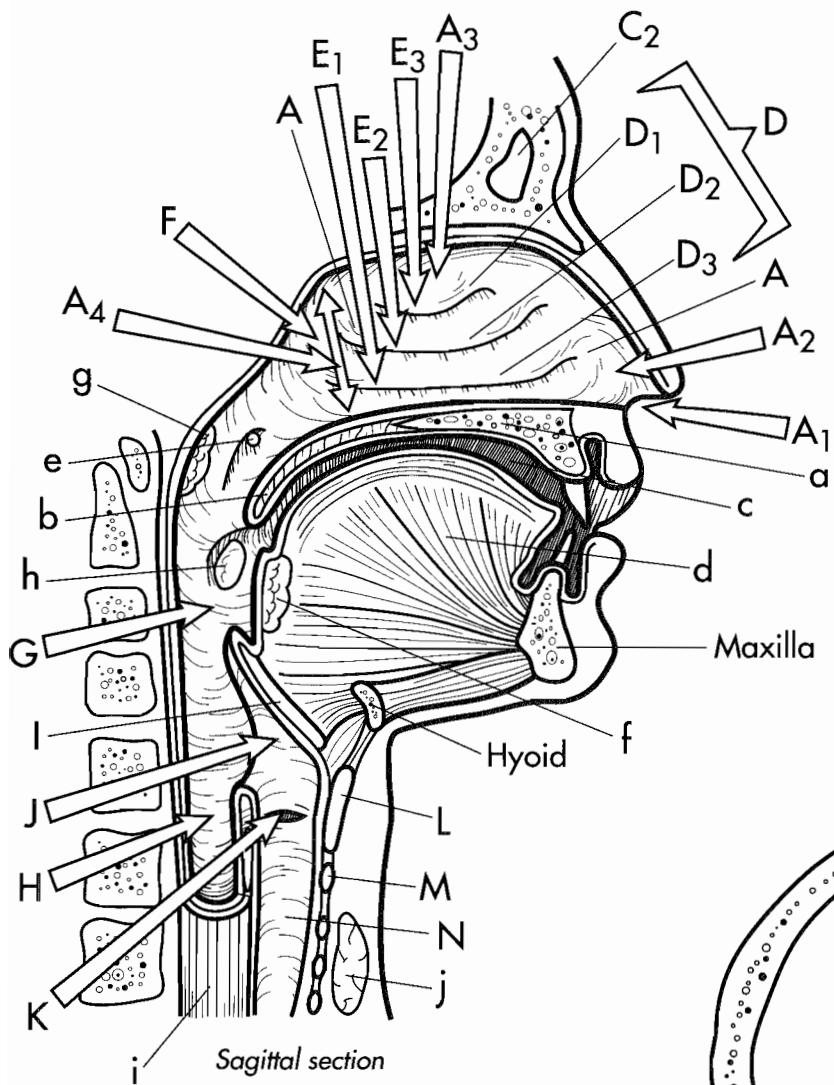
the RESPIRATORY SYSTEM

OVERVIEW OF THE RESPIRATORY SYSTEM



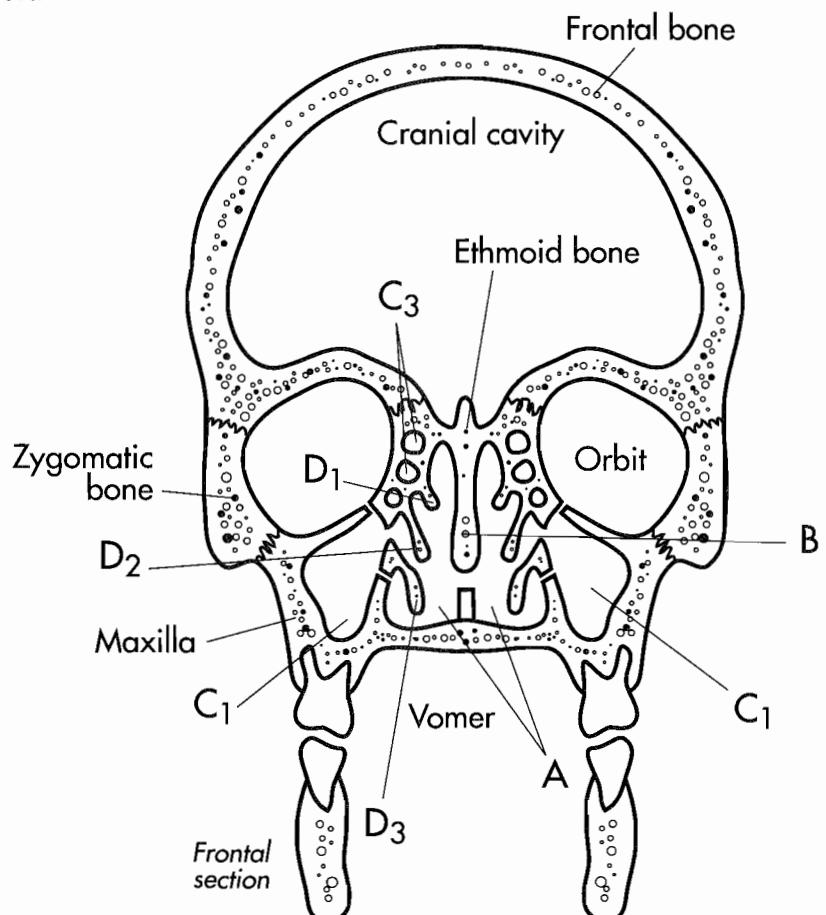
Nasal passage	A	<input type="radio"/>	Left mainstem bronchus	F ₁	<input type="radio"/>	Diaphragm	I	<input type="radio"/>
Nasal conchae	A ₁	<input type="radio"/>	Right mainstem bronchus	F ₂	<input type="radio"/>	Tongue	a	<input type="radio"/>
Frontal sinus	B ₁	<input type="radio"/>	Left bronchial tree	G ₁	<input type="radio"/>	Esophagus	b	<input type="radio"/>
Sphenoid sinus	B ₂	<input type="radio"/>	Right bronchial tree	G ₂	<input type="radio"/>	Ribs	c	<input type="radio"/>
Pharynx	C	<input type="radio"/>	Left lung	H ₁	<input type="radio"/>	Sternum	d	<input type="radio"/>
Larynx	D	<input type="radio"/>	Right lung	H ₂	<input type="radio"/>	Clavicles	e	<input type="radio"/>
Trachea	E	<input type="radio"/>						

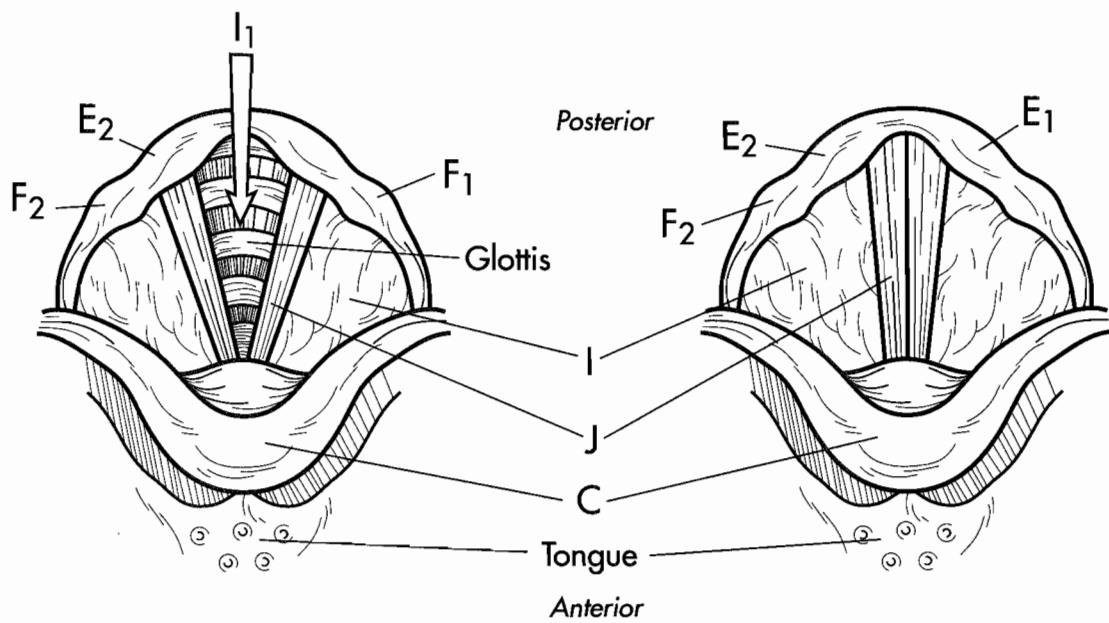
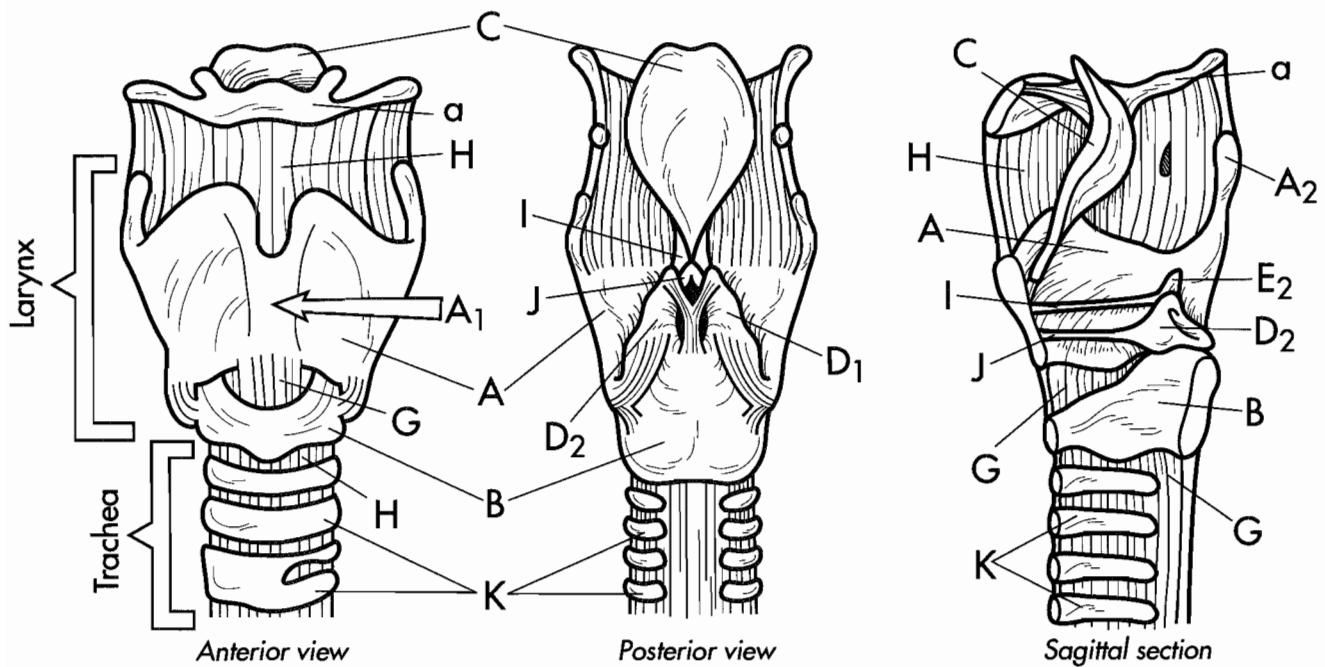
THE UPPER RESPIRATORY TRACT



Oropharynx	G	<input type="radio"/>
Laryngopharynx	H	<input type="radio"/>
Epiglottis	I	<input type="radio"/>
Glottis	J	<input type="radio"/>
Vocal cords	K	<input type="radio"/>
Thyroid cartilage	L	<input type="radio"/>
Cricoid cartilage	M	<input type="radio"/>
Trachea	N	<input type="radio"/>
Hard palate	a	<input type="radio"/>
Soft palate	b	<input type="radio"/>
Oral cavity	c	<input type="radio"/>
Tongue	d	<input type="radio"/>
Eustachian tube	e	<input type="radio"/>
Lingual tonsil	f	<input type="radio"/>
Palatine tonsil	g	<input type="radio"/>
Pharyngeal tonsil	h	<input type="radio"/>
Esophagus	i	<input type="radio"/>
Thyroid gland	j	<input type="radio"/>

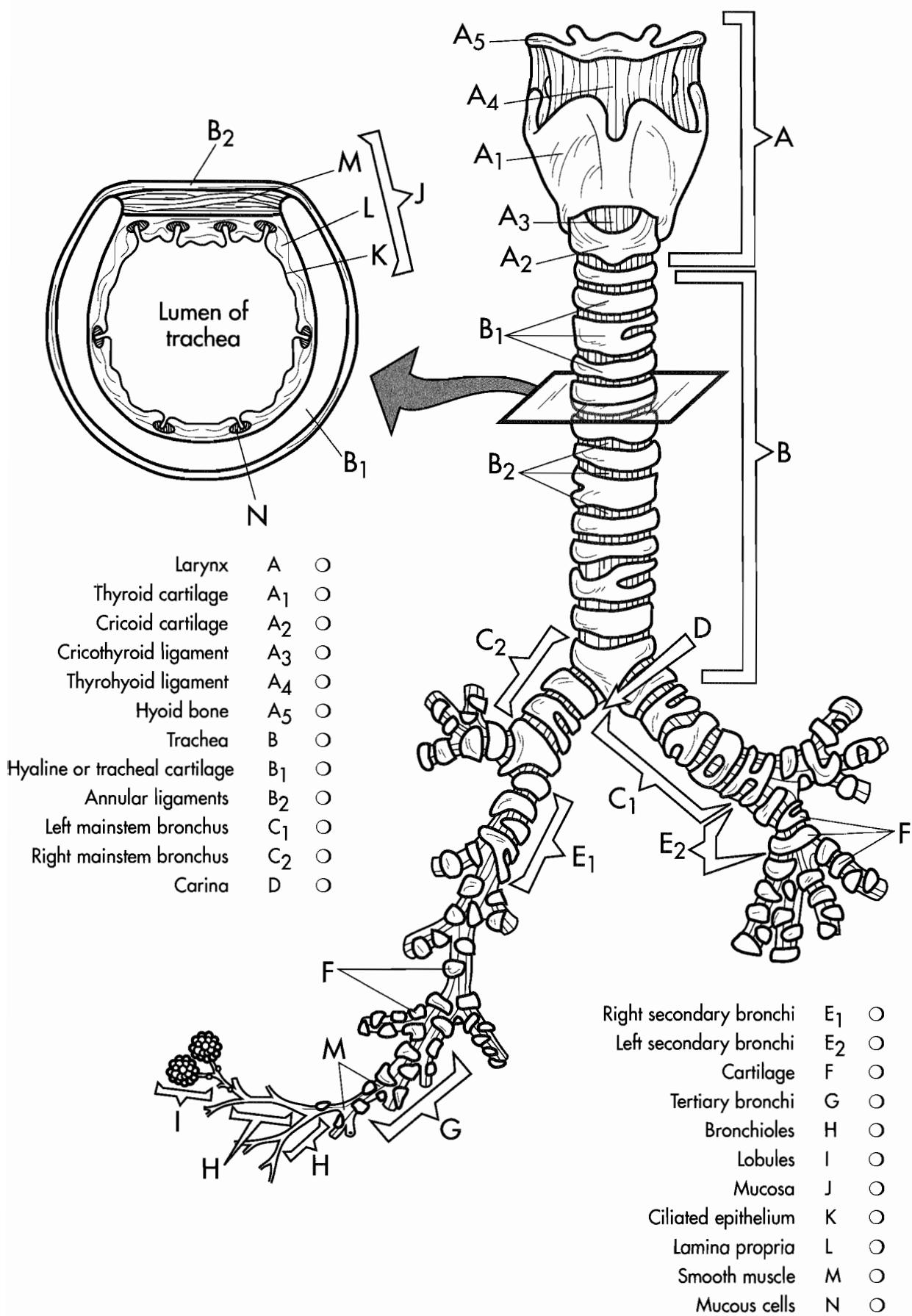
Nasal cavity	A	<input type="radio"/>
External nares	A ₁	<input type="radio"/>
Vestibule	A ₂	<input type="radio"/>
Olfactory region	A ₃	<input type="radio"/>
Internal nares	B	<input type="radio"/>
Maxillary sinus	C ₁	<input type="radio"/>
Frontal sinus	C ₂	<input type="radio"/>
Ethmoid sinus	C ₃	<input type="radio"/>
Nasal conchae	D	<input type="radio"/>
Superior nasal concha	D ₁	<input type="radio"/>
Middle nasal concha	D ₂	<input type="radio"/>
Inferior nasal concha	D ₃	<input type="radio"/>
Superior nasal meatus	E ₁	<input type="radio"/>
Middle nasal meatus	E ₂	<input type="radio"/>
Inferior nasal meatus	E ₃	<input type="radio"/>
Nasopharynx	F	<input type="radio"/>

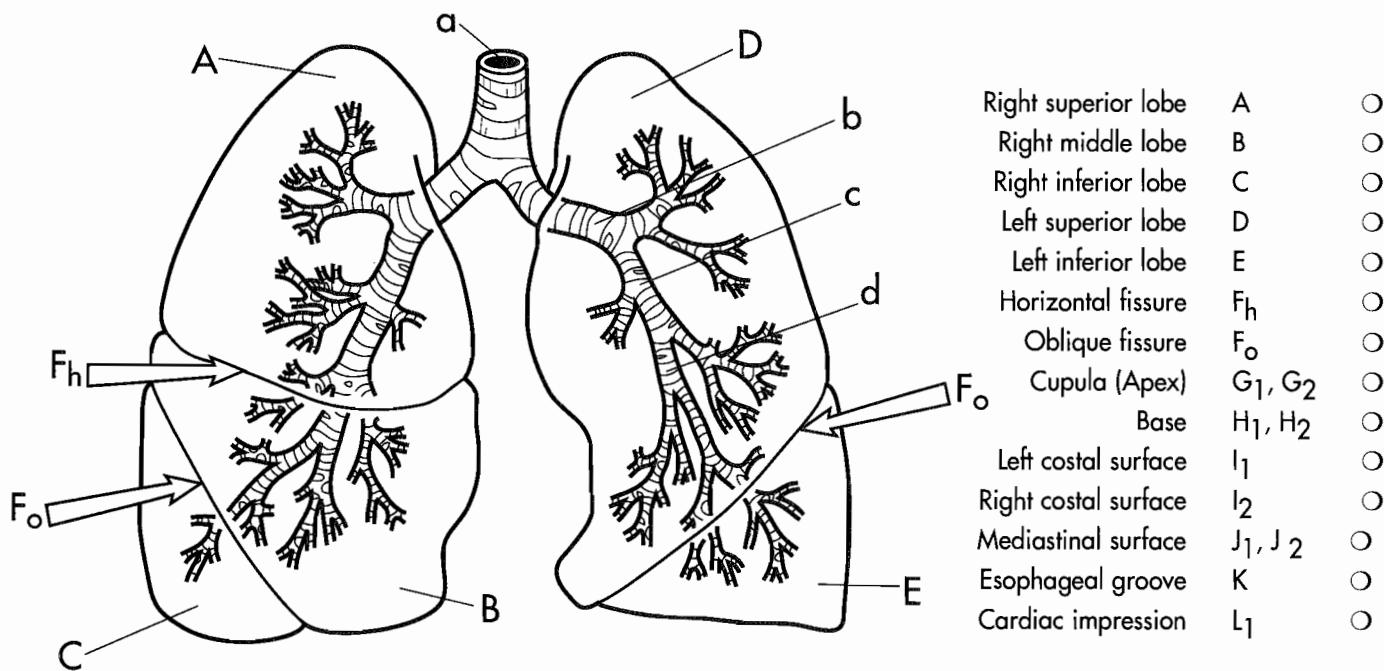




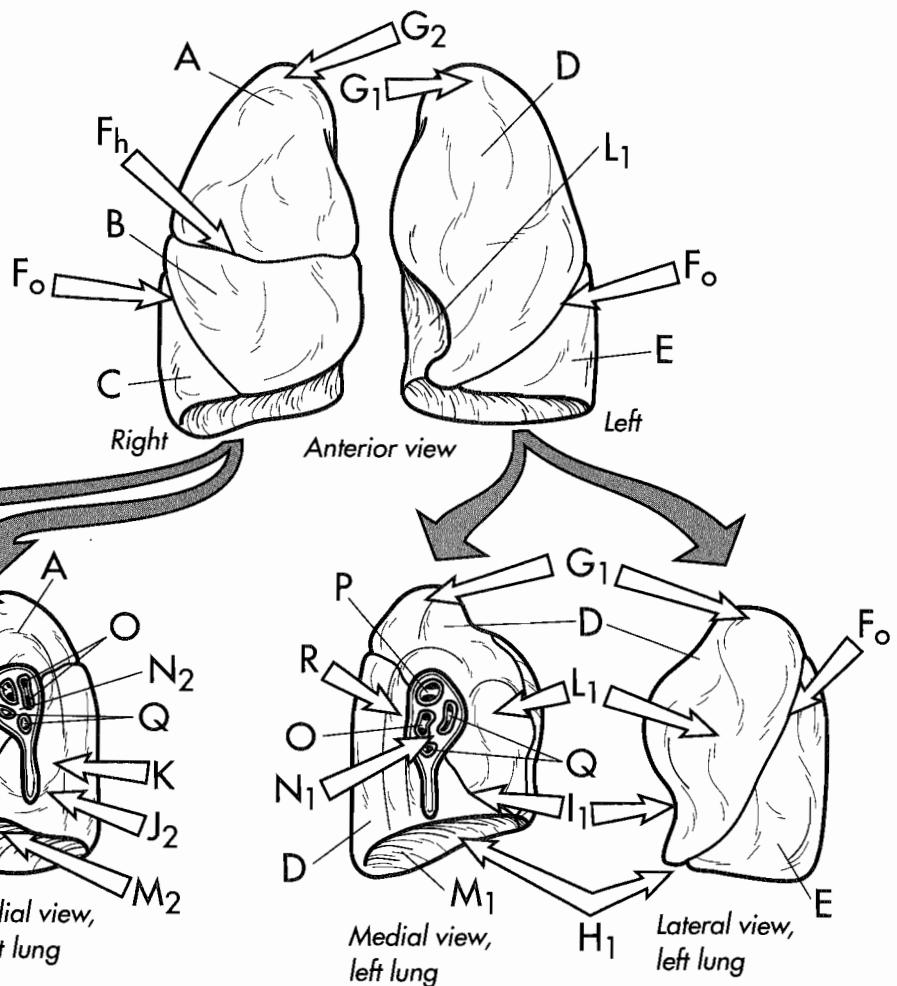
Thyroid cartilage	A	O	Right arytenoid cartilage	D ₂	O	Extrinsic ligaments	H	O
Laryngeal prominence	A ₁	O	Left corniculate cartilage	E ₁	O	Ventricular folds	I	O
Thyroid cartilage	A ₂	O	Right corniculate cartilage	E ₂	O	Rima vestibuli	I ₁	O
Cricoid cartilage	B	O	Left cuneiform cartilage	F ₁	O	Vocal folds	J	O
Epiglottis	C	O	Right cuneiform cartilage	F ₂	O	Rings of cartilage	K	O
Left arytenoid cartilage	D ₁	O	Intrinsic ligaments	G	O	Hyoid bone	a	O

THE TRACHEA AND BRONCHIAL TREE





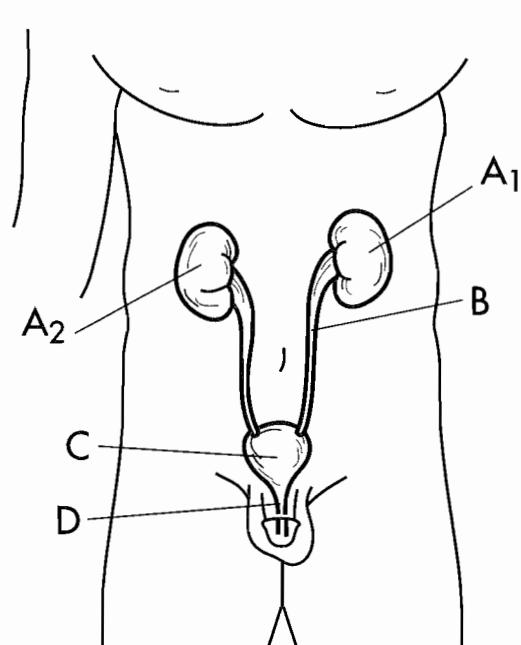
Right lung	L ₂	<input type="radio"/>
Diaphragmatic impression	M ₁ , M ₂	<input type="radio"/>
Hilus	N ₁ , N ₂	<input type="radio"/>
Bronchi	O	<input type="radio"/>
Pulmonary artery	P	<input type="radio"/>
Pulmonary veins	Q	<input type="radio"/>
Aortic groove	R	<input type="radio"/>
Trachea	a	<input type="radio"/>
Mainstem bronchus	b	<input type="radio"/>
Secondary bronchi	c	<input type="radio"/>
Tertiary bronchi	d	<input type="radio"/>



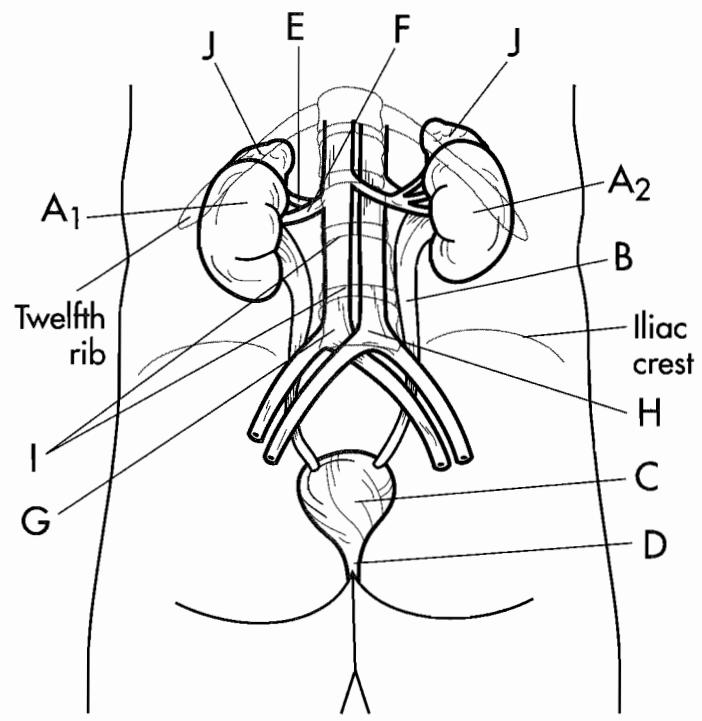
CHAPTER ELEVEN:

the URINARY SYSTEM

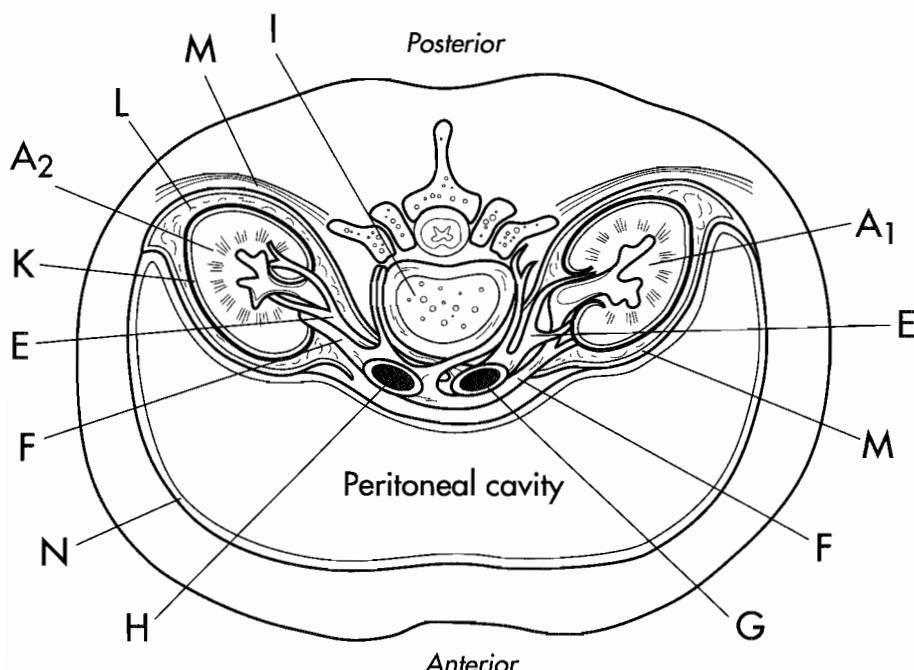
OVERVIEW OF THE URINARY SYSTEM



Anterior view

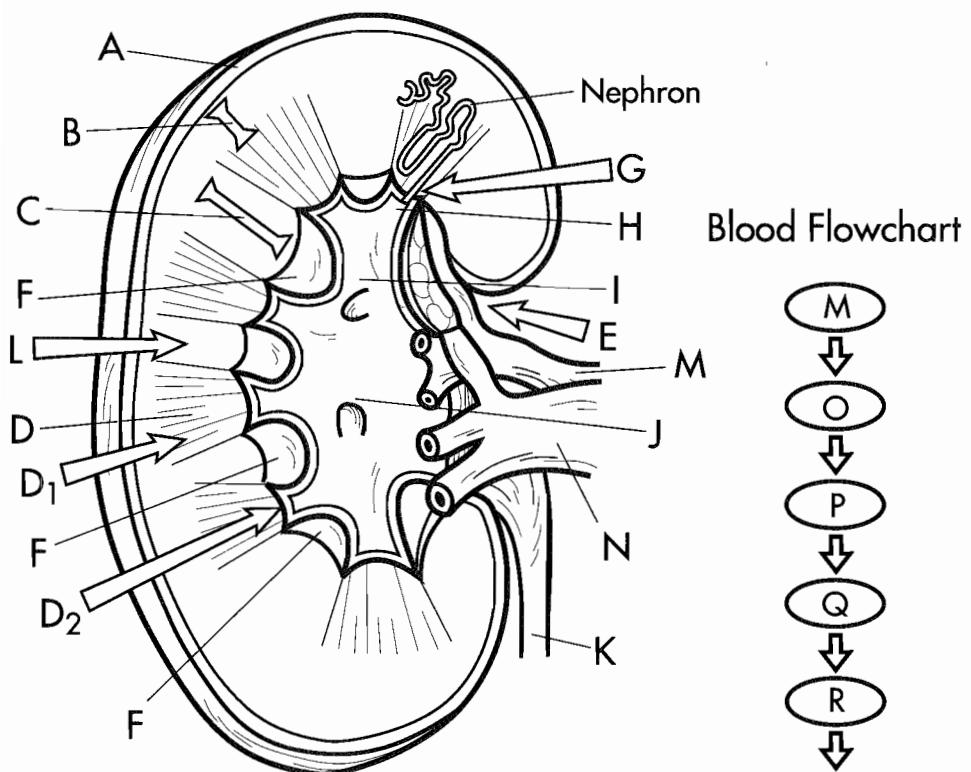


Posterior view

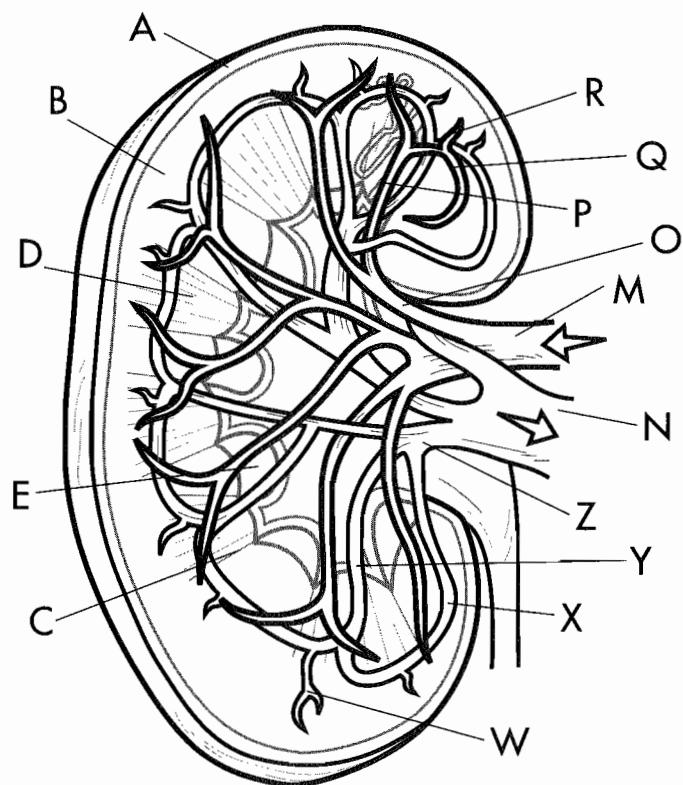


Inferior view of transverse section

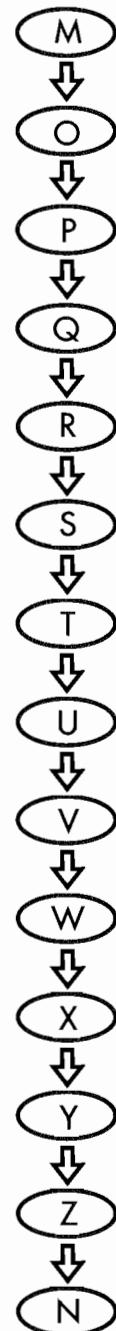
Left kidney	A ₁	<input type="radio"/>
Right kidney	A ₂	<input type="radio"/>
Ureter	B	<input type="radio"/>
Urinary bladder	C	<input type="radio"/>
Urethra	D	<input type="radio"/>
Renal artery	E	<input type="radio"/>
Renal vein	F	<input type="radio"/>
Abdominal aorta	G	<input type="radio"/>
Inferior vena cava	H	<input type="radio"/>
Lumbar vertebra	I	<input type="radio"/>
Suprarenal glands	J	<input type="radio"/>
Renal capsule	K	<input type="radio"/>
Adipose capsule	L	<input type="radio"/>
Renal fascia	M	<input type="radio"/>
Peritoneum	N	<input type="radio"/>



Frontal section of right kidney

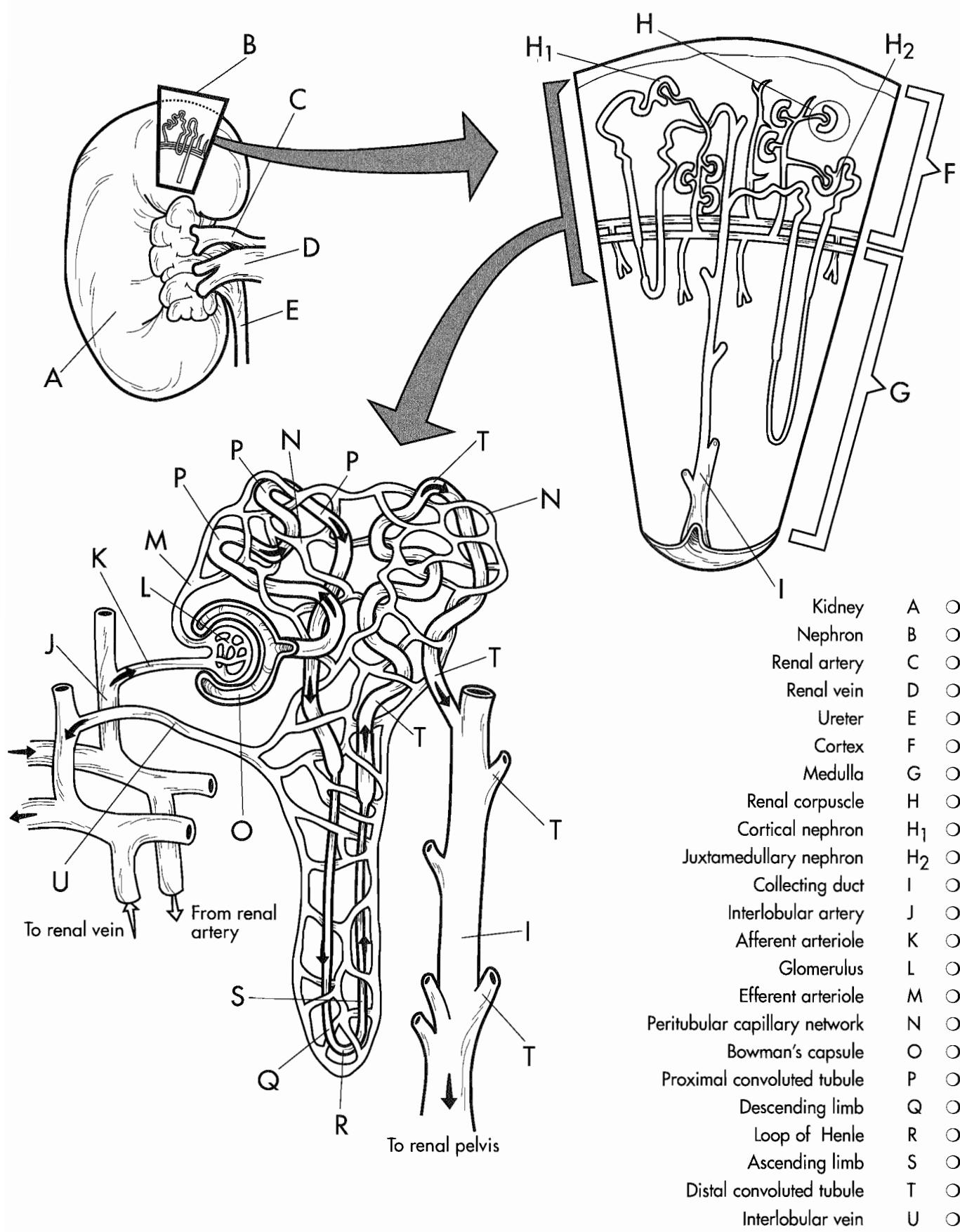


Blood Flowchart

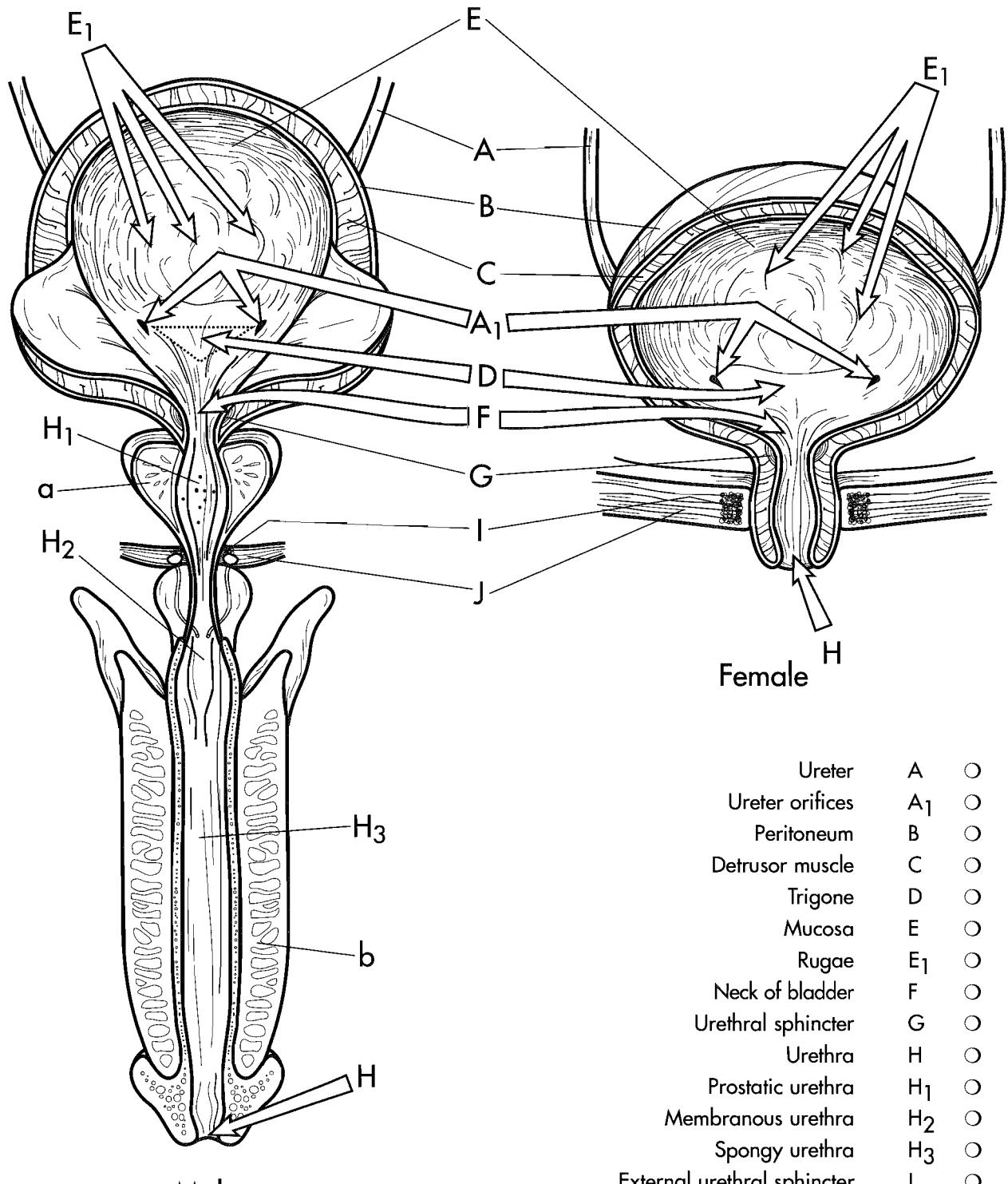


Capsule	A	O
Renal cortex	B	O
Renal medulla	C	O
Renal pyramids	D	O
Base	D ₁	O
Apex (renal papilla)	D ₂	O
Hilus	E	O
Renal sinus	F	O
Papillary duct	G	O
Minor calyx	H	O
Major calyces	I	O
Renal pelvis	J	O
Ureter	K	O
Renal columns	L	O
Renal artery	M	O
Renal vein	N	O
Segmental arteries	O	O
Interlobar artery	P	O
Arcuate arteries	Q	O
Interlobular arteries	R	O
Afferent arterioles	S	O
Glomerulus	T	O
Efferent arteriole	U	O
Peritubular capillary	V	O
Interlobular vein	W	O
Arcuate vein	X	O
Interlobar veins	Y	O
Segmental veins	Z	O

THE NEPHRON



THE URINARY BLADDER

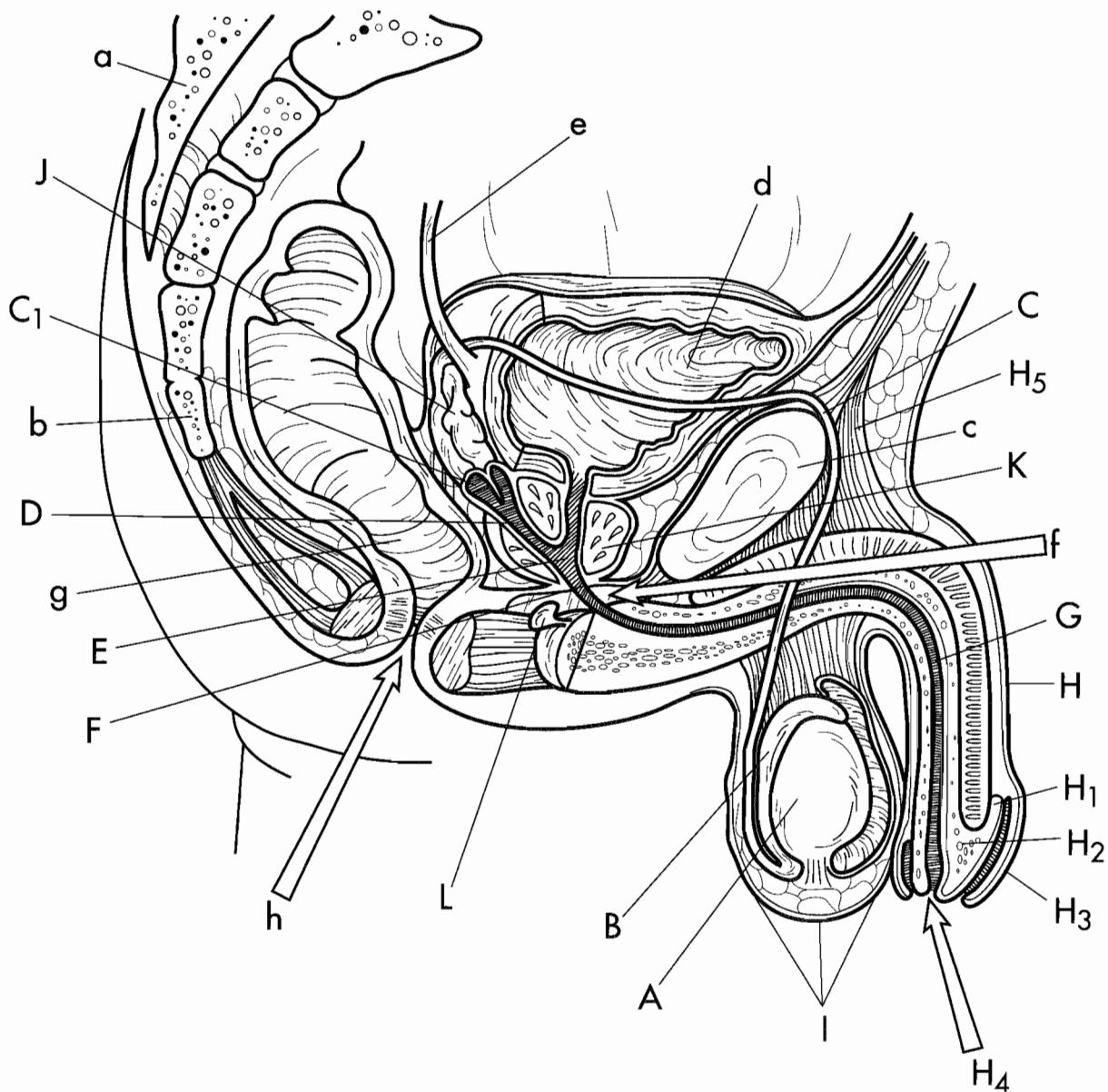


Ureter	A	<input type="radio"/>
Ureter orifices	A ₁	<input type="radio"/>
Peritoneum	B	<input type="radio"/>
Detrusor muscle	C	<input type="radio"/>
Trigone	D	<input type="radio"/>
Mucosa	E	<input type="radio"/>
Rugae	E ₁	<input type="radio"/>
Neck of bladder	F	<input type="radio"/>
Urethral sphincter	G	<input type="radio"/>
Urethra	H	<input type="radio"/>
Prostatic urethra	H ₁	<input type="radio"/>
Membranous urethra	H ₂	<input type="radio"/>
Spongy urethra	H ₃	<input type="radio"/>
External urethral sphincter	I	<input type="radio"/>
Urogenital diaphragm	J	<input type="radio"/>
Prostate gland	a	<input type="radio"/>
Penis	b	<input type="radio"/>

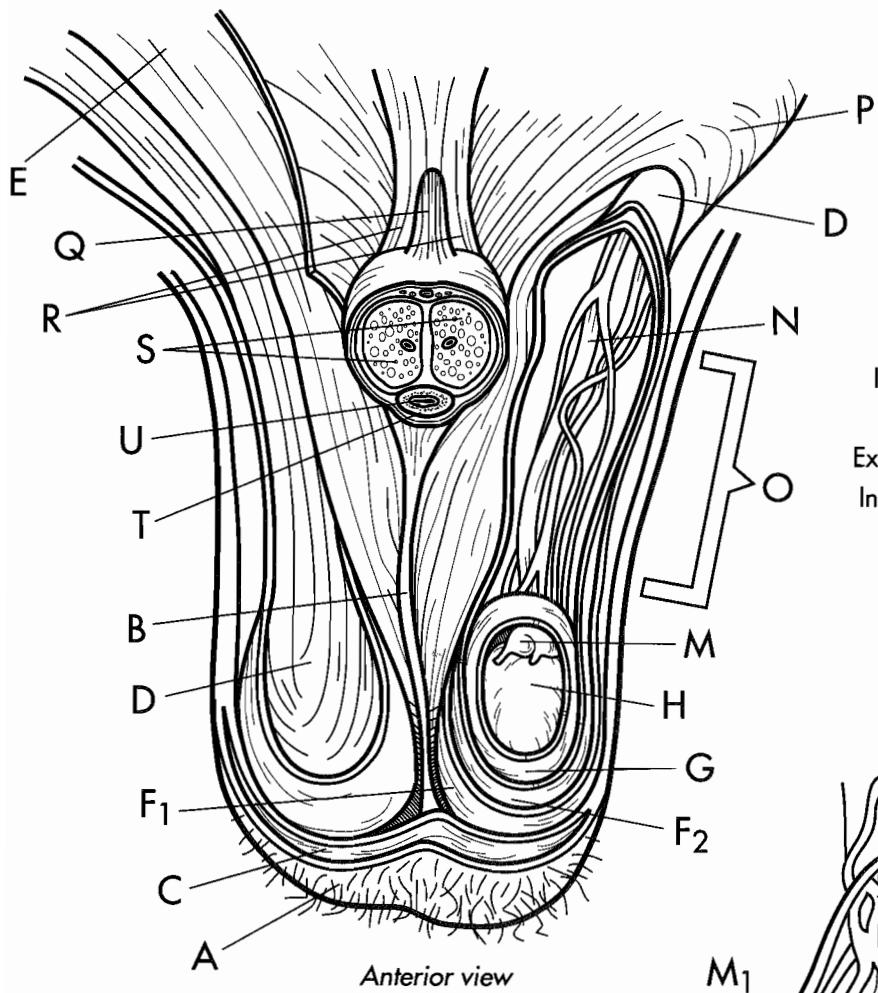
CHAPTER TWELVE:

the REPRODUCTIVE SYSTEM

OVERVIEW OF THE MALE REPRODUCTIVE SYSTEM

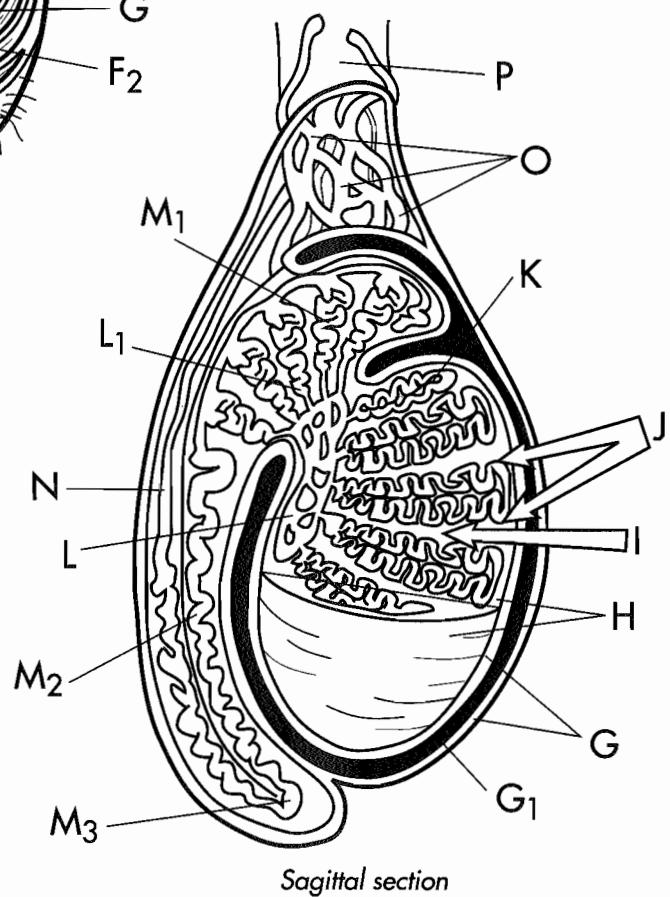


Testis	A	<input type="radio"/>	Glans penis	H ₂	<input type="radio"/>	Coccyx	b	<input type="radio"/>
Epididymis	B	<input type="radio"/>	Prepuce	H ₃	<input type="radio"/>	Pubic symphysis	c	<input type="radio"/>
Ductus deferens	C	<input type="radio"/>	Orifice of urethra	H ₄	<input type="radio"/>	Urinary bladder	d	<input type="radio"/>
Ampulla	C ₁	<input type="radio"/>	Suspensory ligament	H ₅	<input type="radio"/>	Ureter	e	<input type="radio"/>
Ejaculatory duct	D	<input type="radio"/>	Scrotum	I	<input type="radio"/>	Urogenital diaphragm	f	<input type="radio"/>
Prostatic urethra	E	<input type="radio"/>	Seminal vesicle	J	<input type="radio"/>	Rectum	g	<input type="radio"/>
Membranous urethra	F	<input type="radio"/>	Prostate gland	K	<input type="radio"/>	Anus	h	<input type="radio"/>
Spongy urethra	G	<input type="radio"/>	Bulbourethral gland	L	<input type="radio"/>			
Penis	H	<input type="radio"/>	Sacrum	a	<input type="radio"/>			
Corona	H ₁	<input type="radio"/>						

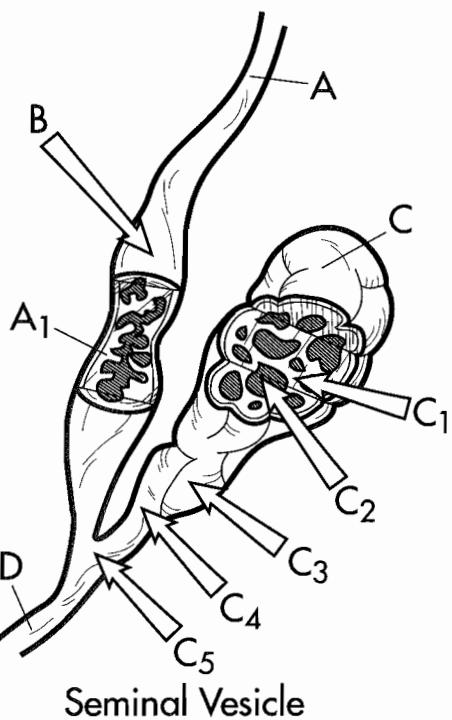
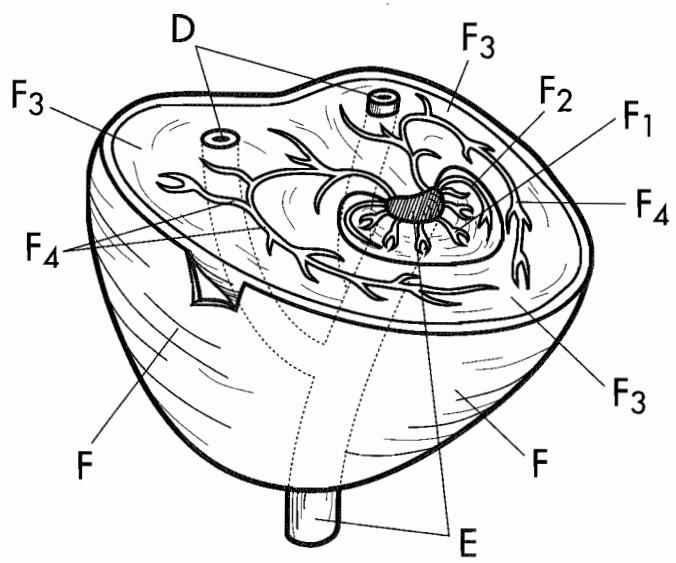
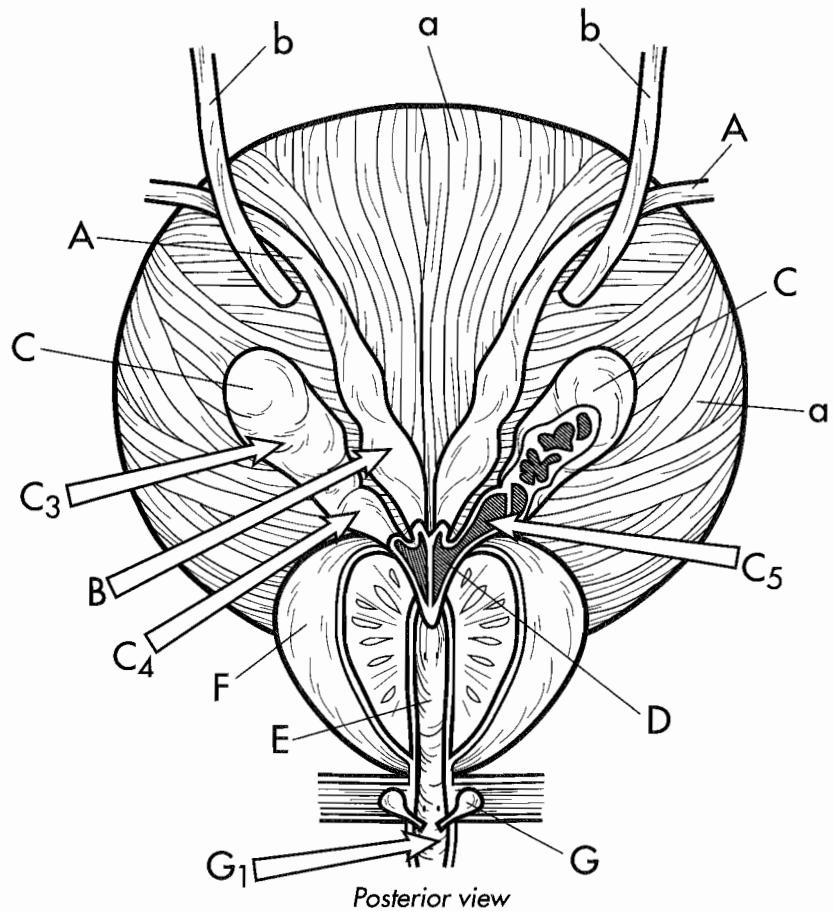


Scrotum	A	O
Septum	B	O
Dartos	C	O
Cremaster muscle	D	O
Internal oblique muscle	E	O
Fascia	F	O
External spermatic fascia	F ₁	O
Internal spermatic fascia	F ₂	O
Tunica vaginalis	G	O
Cavity	G ₁	O
Tunica albuginea	H	O
Septum	I	O
Lobules	J	O

Seminiferous tubules	K	O
Rete testis	L	O
Efferent ductules	L ₁	O
Epididymis	M	O
Head	M ₁	O
Body	M ₂	O
Tail	M ₃	O
Ductus deferens	N	O
Blood vessels, nerves	O	O
Spermatic cord	P	O
Suspensory ligament	Q	O
Fundiform ligament	R	O
Corpora cavernosa	S	O
Corpus spongiosum	T	O
Spongy urethra	U	O

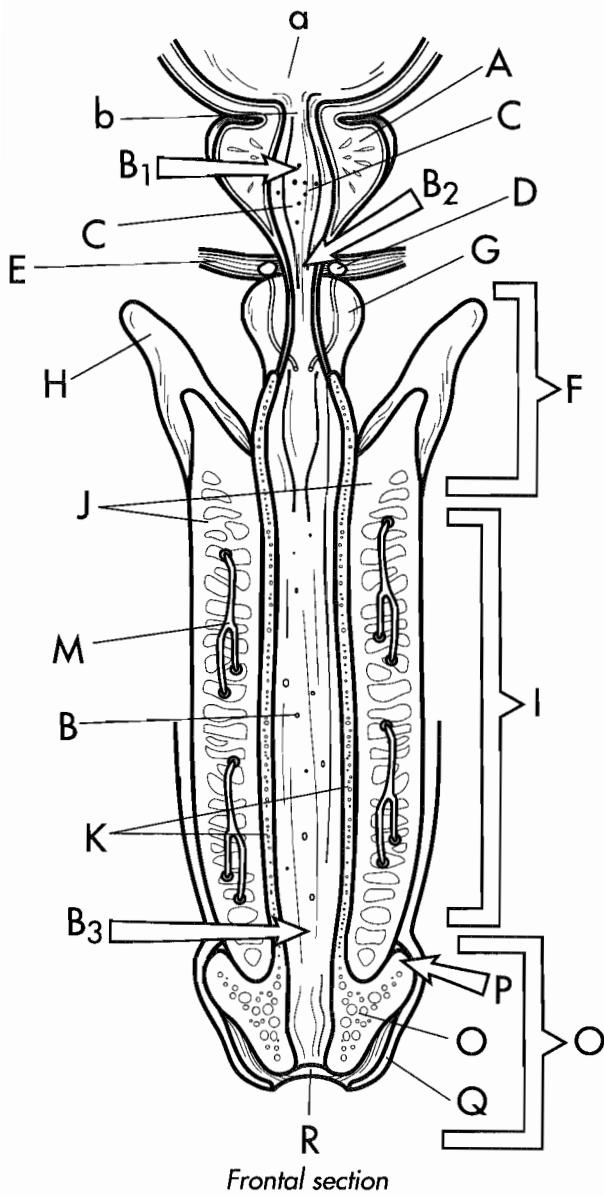


MALE ACCESSORY GLANDS



Ductus deferens	A	<input type="radio"/>
Smooth muscle	A ₁	<input type="radio"/>
Ampulla	B	<input type="radio"/>
Seminal vesicle	C	<input type="radio"/>
Glandular folds	C ₁	<input type="radio"/>
Outpockets	C ₂	<input type="radio"/>
Body	C ₃	<input type="radio"/>
Base	C ₄	<input type="radio"/>
Vesicle duct	C ₅	<input type="radio"/>
Ejaculatory ducts	D	<input type="radio"/>

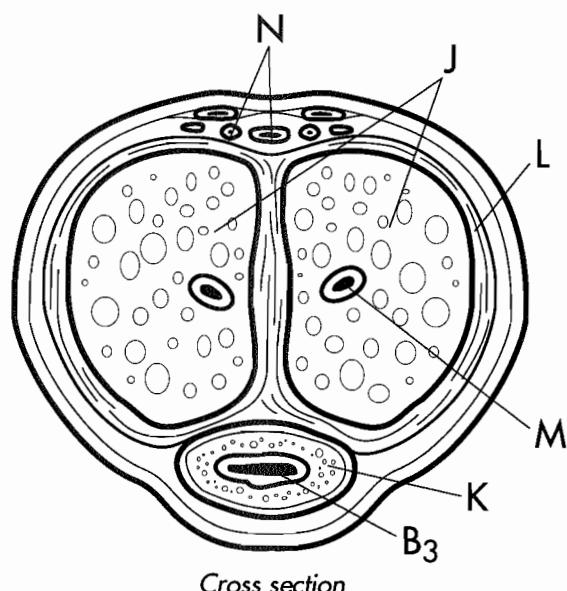
Urethra	E	<input type="radio"/>
Prostate gland	F	<input type="radio"/>
Mucosal glands	F ₁	<input type="radio"/>
Submucosal glands	F ₂	<input type="radio"/>
Main prostatic glands	F ₃	<input type="radio"/>
Submucosal ducts	F ₄	<input type="radio"/>
Bulbourethral gland	G	<input type="radio"/>
Duct	G ₁	<input type="radio"/>
Urinary bladder	a	<input type="radio"/>
Ureters	b	<input type="radio"/>



Frontal section

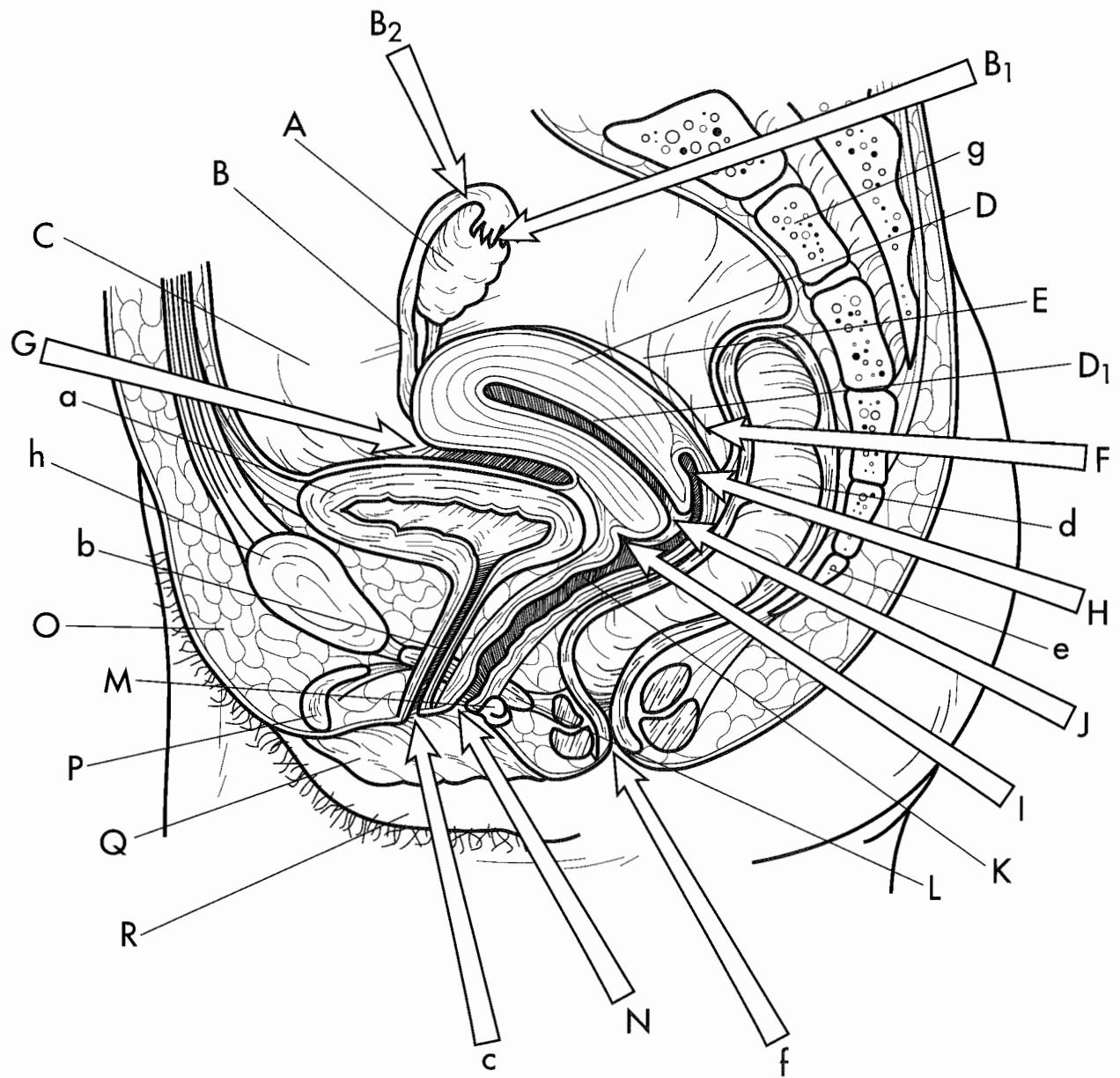
Blood vessels	M	<input type="radio"/>
Smaller blood vessels	N	<input type="radio"/>
Glans penis	O	<input type="radio"/>
Corona	P	<input type="radio"/>
Prepuce	Q	<input type="radio"/>
External urethral orifice	R	<input type="radio"/>
Urinary bladder	a	<input type="radio"/>
Internal urethral orifice	b	<input type="radio"/>

Prostate gland	A	<input type="radio"/>
Urethra	B	<input type="radio"/>
Prostatic urethra	B ₁	<input type="radio"/>
Membranous urethra	B ₂	<input type="radio"/>
Spongy urethra	B ₃	<input type="radio"/>
Ejaculatory duct	C	<input type="radio"/>
Bulbourethral gland	D	<input type="radio"/>
Urogenital diaphragm	E	<input type="radio"/>
Root of penis	F	<input type="radio"/>
Bulb	G	<input type="radio"/>
Crus	H	<input type="radio"/>
Shaft	I	<input type="radio"/>
Corpora cavernosa	J	<input type="radio"/>
Corpus spongiosum	K	<input type="radio"/>
Tunica albuginea	L	<input type="radio"/>



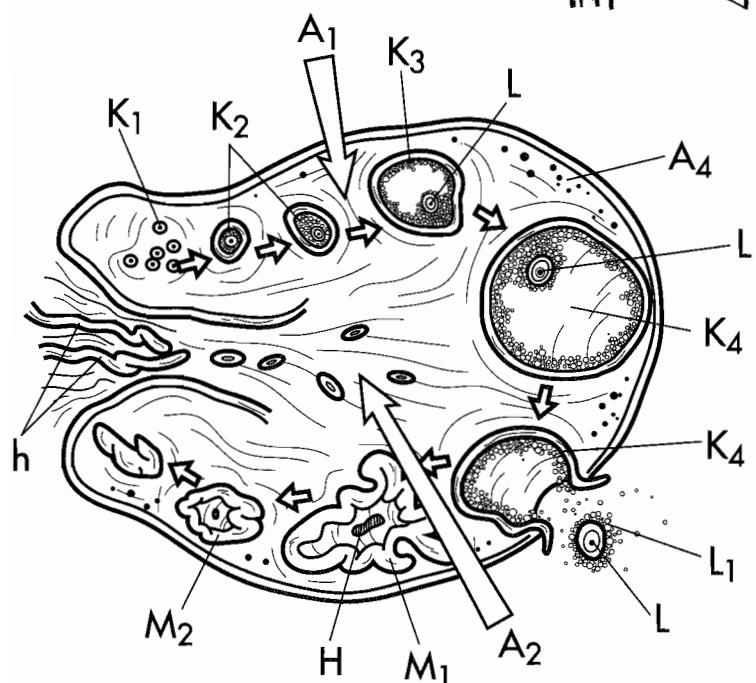
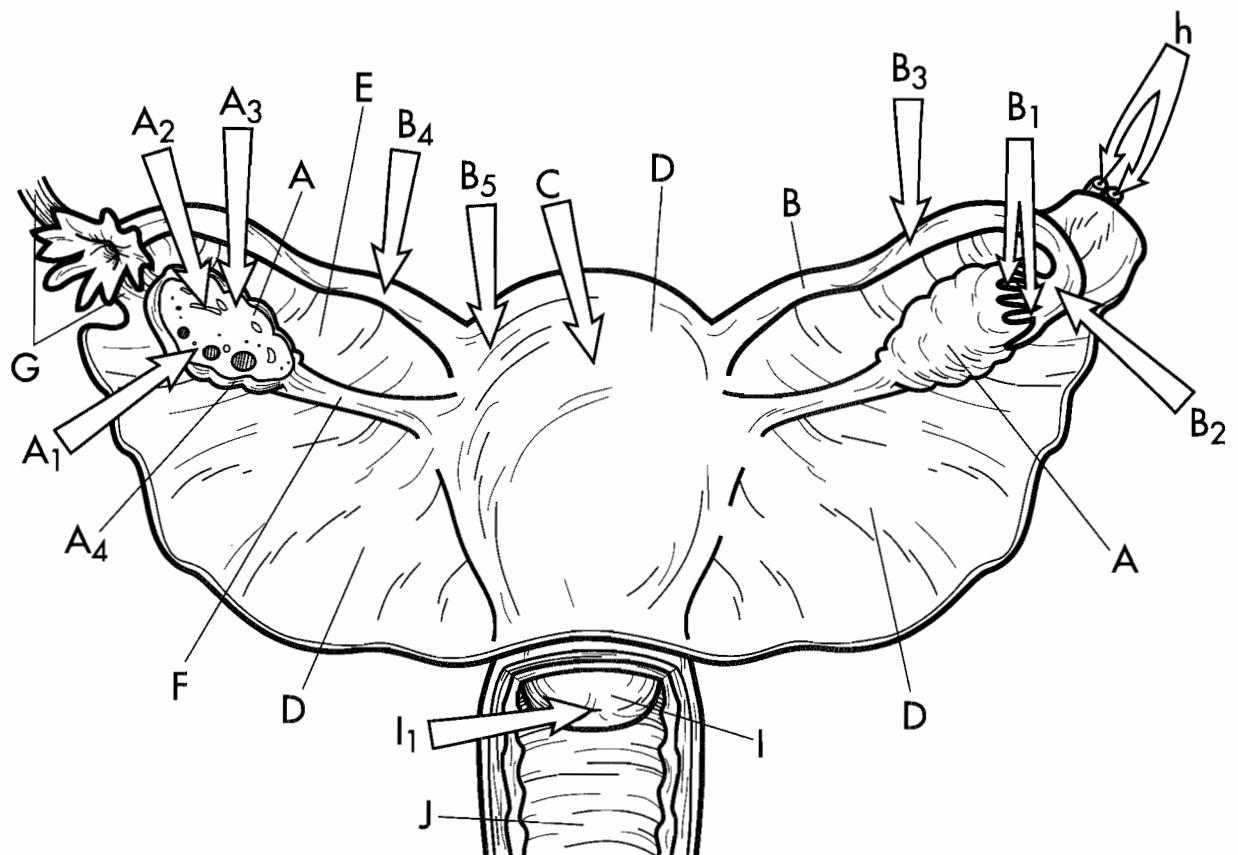
Cross section

OVERVIEW OF THE FEMALE REPRODUCTIVE SYSTEM



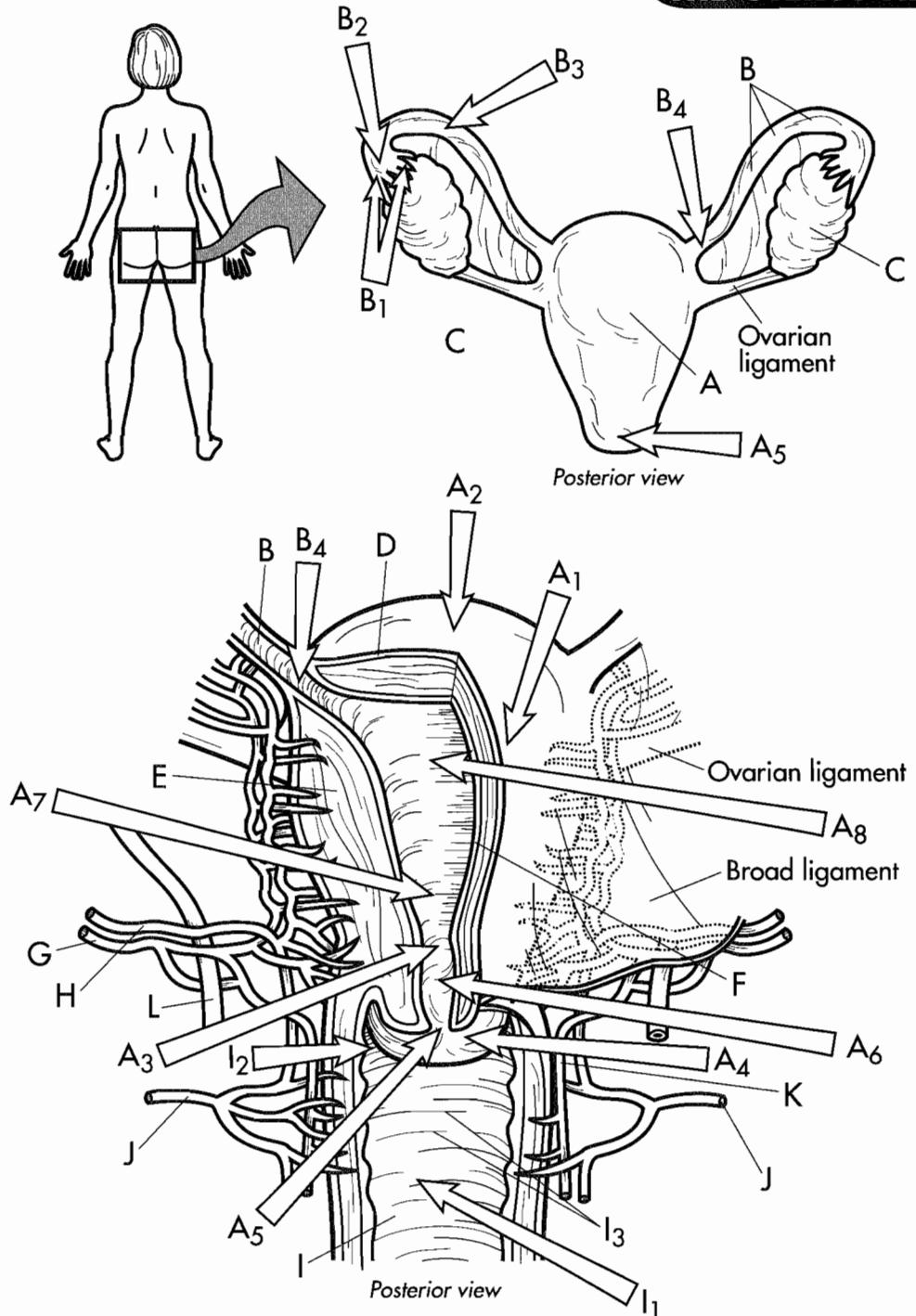
Ovaries	A	○	Posterior fornix	H	○	Urinary bladder	a	○
Uterine tubes	B	○	Anterior fornix	I	○	Urethra	b	○
Fimbria	B ₁	○	Cervix	J	○	External urethral meatus	c	○
Infundibulum	B ₂	○	Vagina	K	○	Rectum	d	○
Round ligament	C	○	Urogenital diaphragm	L	○	Coccyx	e	○
Uterus	D	○	Greater vestibular gland	M	○	Anus	f	○
Endometrium	D ₁	○	Vaginal orifice	N	○	Sacrum	g	○
Uterosacral ligament	E	○	Mons pubis	O	○	Pubic symphysis	h	○
Rectouterine pouch	F	○	Clitoris	P	○			
Vesicouterine pouch	G	○	Labium minora	Q	○			
			Labium majora	R	○			

THE OVARY AND UTERINE TUBES



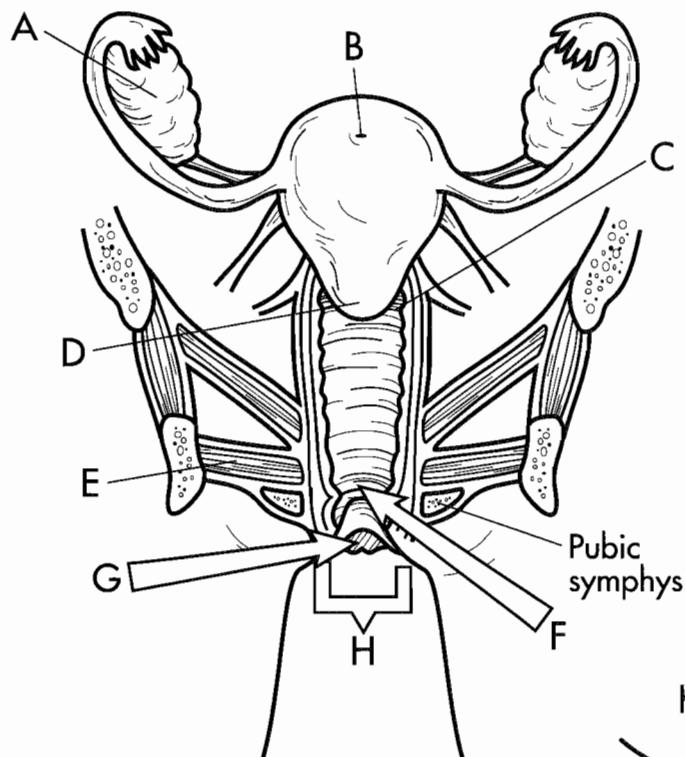
Ovary	A	○
Cortex	A ₁	○
Vascular medulla	A ₂	○
Ovarian hilum	A ₃	○
Tunica albuginea	A ₄	○
Fallopian tube	B	○
Fimbriae	B ₁	○
Infundibulum	B ₂	○
Ampulla	B ₃	○
Isthmus	B ₄	○
Intramural part of uterine tube	B ₅	○
Uterus	C	○
Broad ligament	D	○
Mesovarium	E	○
Ovarian ligament	F	○
Suspensory ligament	G	○
Corpus albicans	H	○
Cervix	I	○
Cervical os	I ₁	○
Vagina	J	○
Primordial follicle	K ₁	○
Cells	K ₂	○
Secondary follicle	K ₃	○
Mature follicle	K ₄	○
Egg cell	L	○
Corona radiata	L ₁	○
Early corpus luteum	M ₁	○
Mature corpus luteum	M ₂	○
Vein	h	○

THE UTERUS AND VAGINA



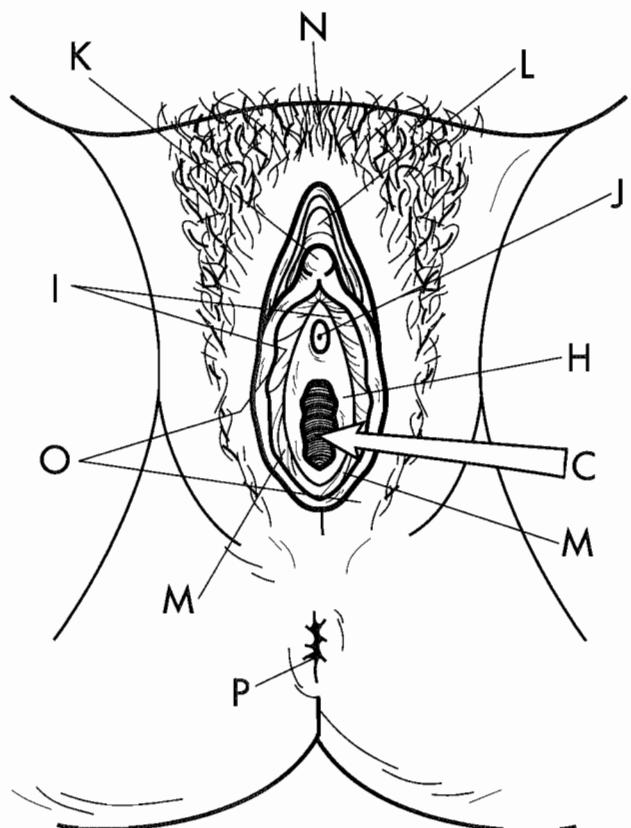
Uterus	A	<input type="radio"/>	Fallopian tubes	B	<input type="radio"/>	Uterine artery	G	<input type="radio"/>
Body (corpus)	A ₁	<input type="radio"/>	Fimbriae	B ₁	<input type="radio"/>	Uterine vein	H	<input type="radio"/>
Fundus	A ₂	<input type="radio"/>	Infundibulum	B ₂	<input type="radio"/>	Vagina	I	<input type="radio"/>
Isthmus	A ₃	<input type="radio"/>	Ampulla	B ₃	<input type="radio"/>	Vaginal canal	I ₁	<input type="radio"/>
Cervix	A ₄	<input type="radio"/>	Intramural portion	B ₄	<input type="radio"/>	Fornix	I ₂	<input type="radio"/>
Cervical os	A ₅	<input type="radio"/>	Ovaries	C	<input type="radio"/>	Rugae	I ₃	<input type="radio"/>
Cervical canal	A ₆	<input type="radio"/>	Perimetrium (serosa)	D	<input type="radio"/>	Vaginal artery	J	<input type="radio"/>
Internal os	A ₇	<input type="radio"/>	Myometrium	E	<input type="radio"/>	Vaginal vein	K	<input type="radio"/>
Uterine cavity	A ₈	<input type="radio"/>	Endometrium	F	<input type="radio"/>	Ureter	L	<input type="radio"/>

THE EXTERNAL GENITALIA

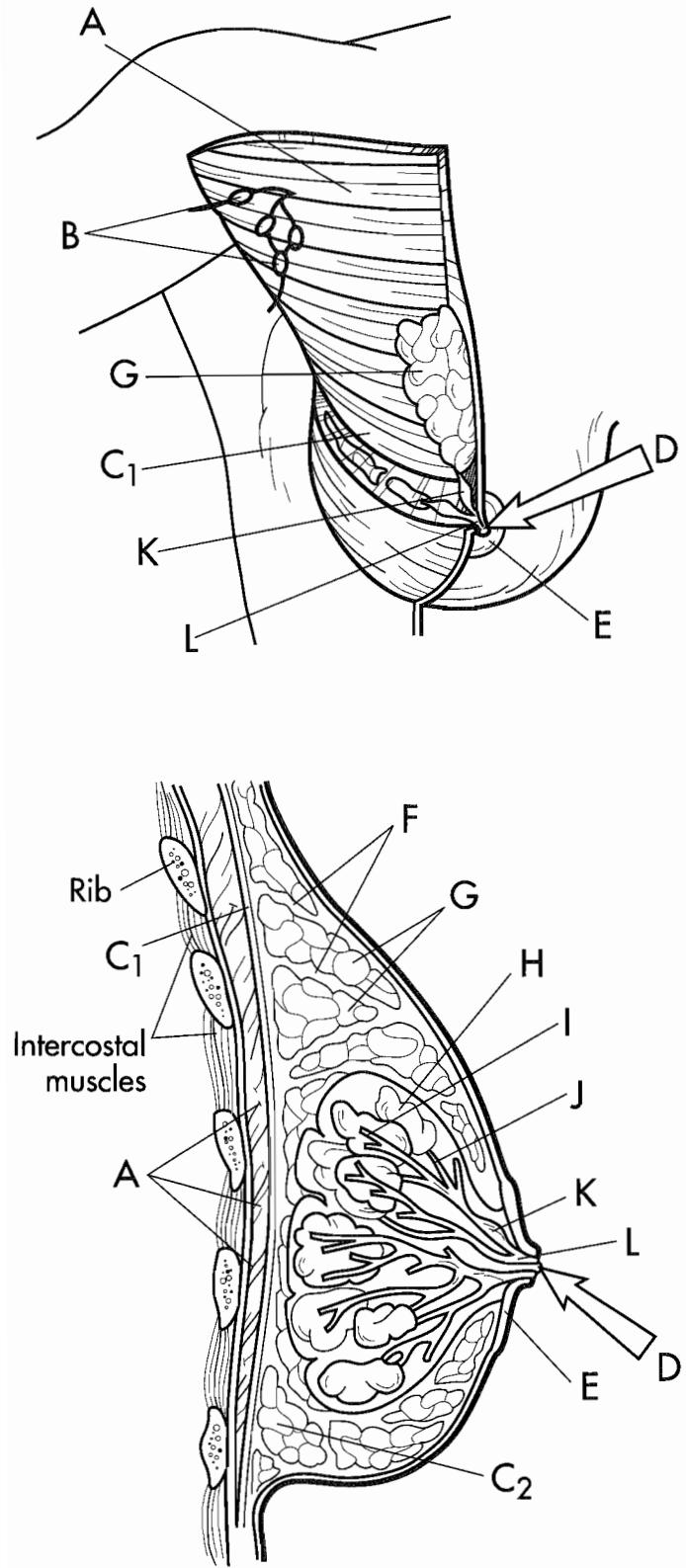


Ovary	A	<input type="radio"/>
Uterus	B	<input type="radio"/>
Vagina	C	<input type="radio"/>
Cervical os	D	<input type="radio"/>
Urogenital diaphragm	E	<input type="radio"/>
Hymen	F	<input type="radio"/>
External genitalia	G	<input type="radio"/>
Vestibule	H	<input type="radio"/>
Labia minora	I	<input type="radio"/>

Urethra	J	<input type="radio"/>
Clitoris	K	<input type="radio"/>
Prepuce	L	<input type="radio"/>
Greater vestibular (Bartholin's) glands	M	<input type="radio"/>
Mons pubis	N	<input type="radio"/>
Labia majora	O	<input type="radio"/>
Anus	P	<input type="radio"/>



THE MAMMARY GLANDS



Pectoralis major muscle	A	<input type="radio"/>
Lymph vessels and lymph nodes	B	<input type="radio"/>
Deep fascia	C ₁	<input type="radio"/>
Superficial fascia	C ₂	<input type="radio"/>
Nipple	D	<input type="radio"/>
Areola	E	<input type="radio"/>
Cooper's ligaments	F	<input type="radio"/>
Lobes	G	<input type="radio"/>
Lobules of mammary gland	H	<input type="radio"/>
Secondary tubules	I	<input type="radio"/>
Mammary ducts	J	<input type="radio"/>
Lactiferous sinus	K	<input type="radio"/>
Lactiferous duct	L	<input type="radio"/>

