

Question 1

The most external layer of a hair shaft is the

- A) epidermal root sheath.
- B) medulla.
- C) cuticle.
- D) cortex.

Answer: <https://biology-forums.com/index.php?topic=367713>

Question 2

Which vessels lie within the renal columns?

- A) arcuate arteries
- B) segmental arteries
- C) cortical radiate arteries
- D) interlobar arteries

Answer: <https://biology-forums.com/index.php?topic=366554>

Question 3

To avoid damaging important structures in the lower limbs of infants, intramuscular injections are administered into the

- A) gluteus minimus.
- B) gluteus medius.
- C) vastus lateralis.
- D) gluteus maximus.

Answer: <https://biology-forums.com/index.php?topic=367021>

Question 4

The largest salivary gland is the

- A) parotid.
- B) submandibular.
- C) sublingual.
- D) intrinsic.

Answer: <https://biology-forums.com/index.php?topic=366493>

Question 5

Describe the anatomical similarities between the sensory organs of the vestibule (utricle and saccule) and semicircular canals.

Answer: <https://biology-forums.com/index.php?topic=365963>

Question 6

Which set correctly matches the function of the designated muscle compartment?

- A) medial thigh - thigh abduction
- B) anterior thigh - thigh extension
- C) posterior leg - dorsiflexion
- D) lateral leg - foot eversion

Answer: <https://biology-forums.com/index.php?topic=366994>

Question 7

The immune system cell type that is preferentially destroyed by the AIDS virus is the

- A) helper B lymphocyte.
- B) helper T lymphocyte.
- C) B lymphocyte.
- D) cytotoxic T lymphocyte.

Answer: <https://biology-forums.com/index.php?topic=366372>

Question 8

The defecation and urination reflexes are integrated in the

- A) brain stem.
- B) hypothalamus.
- C) spinal cord.
- D) cerebral cortex.

Answer: <https://biology-forums.com/index.php?topic=365801>

Question 9

Bilateral symmetry can apply to objects as well as to animal bodies. Which of the following capital letters of the alphabet is not bilaterally symmetrical?

- A) A
- B) M
- C) O
- D) L

Answer: <https://biology-forums.com/index.php?topic=367374>

Question 10

By palpation, one locates the temporomandibular joint

- A) directly anterior to the external auditory opening.
- B) by feeling the pulse of the facial artery.
- C) by feeling the pulse of the superficial temporal artery.
- D) directly posterior to the last upper molars (wisdom teeth).

Answer: <https://biology-forums.com/index.php?topic=367041>

Question 11

A person with many enlarged lymph nodes that do not feel tender or sore is most likely to have

- A) mononucleosis.
- B) buboes.
- C) lymphangitis.
- D) Hodgkin's lymphoma.

Answer: <https://biology-forums.com/index.php?topic=366385>

Question 12

Large cardiac cells of the conducting system embedded in the ventricular walls between the endocardium and myocardium.

- A) atrioventricular node
- B) sinoatrial node
- C) atrioventricular branches
- D) subendocardial conducting network (Purkinje fibers)
- E) atrioventricular bundle

Answer: <https://biology-forums.com/index.php?topic=366158>

Question 13

The obturator nerve is part of which nerve plexus?

Answer: <https://biology-forums.com/index.php?topic=367332>

Question 14

The distinguishing characteristic between tight junctions and adherens junctions is that

- A) tight junctions involve fusion of proteins on adjacent cells, whereas adherens junctions create tunnels between adjacent cells.
- B) adherens junctions attach to the actin myofilaments of the cytoskeleton, whereas tight junctions do not.
- C) adherens junctions involve integral membrane proteins, whereas tight junctions do not.
- D) tight junctions are present near apical lateral borders, whereas adherens junctions are located near basal lateral borders.

Answer: <https://biology-forums.com/index.php?topic=367635>

Question 15

Of the types of lining and covering membranes, the only one that is drier than the others is

- A) parietal.
- B) serous.
- C) mucous.
- D) cutaneous.

Answer: <https://biology-forums.com/index.php?topic=367616>

Question 16

A "coming together" of alternate pathways of blood vessels.

- A) metarterioles
- B) thoroughfare channel

- C) vascular anastomosis
- D) vasa vasorum
- E) converging veins

Answer: <https://biology-forums.com/index.php?topic=366244>

Question 17

Arteries that branch to form the afferent arterioles to the glomeruli are

- A) interlobar arteries.
- B) cortical radiate arteries.
- C) segmental arteries.
- D) arcuate arteries.

Answer: <https://biology-forums.com/index.php?topic=366581>

Question 18

Cell body of this autonomic neuron lies within the CNS.

- A) post-ganglionic neuron
- B) rami communicantes
- C) splanchnic nerves
- D) collateral ganglia
- E) pre-ganglionic neuron

Answer: <https://biology-forums.com/index.php?topic=365787>

Question 19

Which of the following is not a normal component of lymph?

- A) plasma proteins
- B) ions
- C) water
- D) red blood cells

Answer: <https://biology-forums.com/index.php?topic=366389>

Question 20

White matter is white in color because of _____.

Answer: <https://biology-forums.com/index.php?topic=367158>