

Sample anatomy questions for the HAPS website: prepared July 2025

1. When the body is in anatomic position, which of the following body regions is most SUPERIOR?
 - a. Antebrachial
 - b. Crural
 - c. Femoral
 - d. Thoracic
 - e. Occipital

Correct answer: E

Primary Learning Outcome: A-4-2

Secondary Learning outcome: A-5-2

Level: Higher order (HI)

2. Claire fell on her outstretched upper limb and broke the distal part of the bone in her brachium region. Where would the break be visible in an X-ray?
 - a. Greater trochanter of the humerus
 - b. Neck of the humerus
 - c. Medial epicondyle of the humerus
 - d. Styloid process of the radius
 - e. Head of the ulna
 - f. Olecranon of the ulna

Correct Answer: C

Primary Learning Outcome: F-7-2

Level: Higher Order (HI)

3. Urine flows from the major calyx directly into the:
 - a. Minor calyx
 - b. Collecting duct
 - c. Renal papilla
 - d. Renal pelvis
 - e. Ureter

Correct Answer: D

Primary Learning Objective: P-3-5

Level: Lower order (LO)

4. Arthur started a running program and developed swelling and soreness of the muscles in the anterior crural region. The pain is most severe when the muscles are contracting and working, so which movement likely causes the most pain for Arthur?
- a. Plantar flexion of the foot at the ankle joint
 - b. Dorsiflexion of the foot at the ankle joint
 - c. Eversion of the foot
 - d. Flexion of the toes
 - e. Flexion of the leg at the knee joint

Correct answer: B

Primary Learning Objective: G-6-2

Level: Higher Order (HI)

5. What is a function of villi and microvilli in the small intestine?
- a. Capture and destroy invading microorganisms
 - b. Allow for expansion of the small intestine as it fills with chyme
 - c. Increase the absorptive surface area of the small intestine
 - d. Actively propel chyme as it passes through the small intestine
 - e. Release large quantities of digestive enzymes into the small intestine lumen

Correct answer: C

Primary Learning Objective: N-8-5

Level: Lower order (LO)

6. Which cranial nerve is responsible for innervating the muscles of mastication (chewing) as well as detecting sensations on the face?
- a. CN IV (trochlear)
 - b. CN V (trigeminal)
 - c. CN VII (facial)
 - d. CN IX (glossopharyngeal)
 - e. CN XII (hypoglossal)

Correct answer: B

Primary Learning Object: H-9-2

Level: Lower Order (LO)

7. A 65-year old individual has a stroke that kills neurons in a specific region of the brain. This individual now has difficulty in seeing and processing visual images. Which lobe of the brain was most likely affected by the stroke?
- a. Occipital lobe
 - b. Parietal lobe
 - c. Temporal Lobe

- d. Frontal Lobe
- e. Insula

Correct Answer: A

Primary Learning Objective: N-8-10

Level: Higher Order (HI)

8. Which of the following blood vessels transports blood high in oxygen TO the heart?
- a. Pulmonary artery
 - b. Pulmonary vein
 - c. Superior vena cava
 - d. Inferior vena cava
 - e. Ascending aorta

Correct Answer: B

Primary Learning Objective: K-6-5

Level: Lower Order (LO)

9. When a person inhales, air travels from the trachea next to which of the following?
- a. Larynx
 - b. Bronchiole
 - c. Tertiary bronchus
 - d. Alveolus
 - e. Primary Bronchus
 - f. Secondary Bronchus

Correct Answer: E

Primary Learning Objective: M-2-3

Level: Lower order (LO)

10. A 25-year-old individual is experiencing cramps during their menstrual cycle. The cramps are caused by muscle contractions in which layer of the uterus?
- a. Perimetrium
 - b. Myometrium
 - c. Functional layer (stratum functionalis) of the endometrium
 - d. Basal layer (stratum basalis) of the endometrium

Correct Answer: B

Primary Learning Objective: R-3-2

Level: Higher order (HI)