

HESI A2 Anatomy and Physiology Practice Exam

Section: HESI A2 Anatomy and Physiology Exams • Total Questions: 10 • Format: Verified Q&A

1. Which of the following bones is the only movable bone of the skull?

- (A) Maxilla
 - (B) Zygomatic
 - (C) Lacrimal
 - (D) Mandible
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2. How many different types of tissues are there in the human body?

- (A) four
 - (B) six
 - (C) eight
 - (D) ten
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3. What type of synovial joint is the elbow?

- (A) Pivot
 - (B) Hinge
 - (C) Ball and socket
 - (D) Toddle
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4. What is the cause of the burning sensation associated with anaerobic respiration?

- (A) Carbon dioxide
 - (B) Lactic acid
 - (C) Oxygen
 - (D) Glucose
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5. Which type of cell division occurs in the gonads?

- (A) Mitosis
 - (B) Meiosis
 - (C) Binary fission
 - (D) Asexual division
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6. Which of the following are functions of the skeletal system? (Select the ONE that does not apply.)

- (A) Supporting the body
 - (B) Hemopoiesis
 - (C) Conducting impulses
 - (D) Providing protection
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7. Which structure regulates the transport of substances in and out of the cell?

- (A) Cell membrane
 - (B) Cell's cytoplasm
 - (C) Nuclear membrane
 - (D) Plasma membrane
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8. What is the primary function of the respiratory system?

- (A) To digest food
 - (B) To control body movement
 - (C) To transport oxygen and carbon dioxide
 - (D) To circulate blood
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9. What percentage of a female's blood volume is composed of red blood cells?

- (A) 10%
 - (B) 25%
 - (C) 40%
 - (D) 70%
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10. Which type of skin cancer can be recognized in lesion characteristics based on the ABCD rule?

- (A) Melanoma
- (B) Basal cell carcinoma
- (C) Sarcoma
- (D) Squamous cell carcinoma