

HESI A2 Biology Practice Questions

Section: HESI A2 Biology Exams • Total Questions: 10 • Format: Verified Q&A

1. Which is an example of the correct organizational hierarchy for a wolf?

- (A) Muscle tissue, blood cell, DNA, organ, circulatory system, wolf
 - (B) DNA, blood cell, muscle tissue, heart, circulatory system, wolf
 - (C) Circulatory system, DNA, muscle tissue, blood cell, heart, wolf
 - (D) Blood cell, organ, circulatory system, muscle tissue, DNA, wolf
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2. Why doesn't an antibiotic work for treating the flu symptoms in a patient?

- (A) The antibiotic is for a different type of infection.
 - (B) The antibiotic is not effective against the flu virus.
 - (C) The antibiotic is not administered in a sufficient dosage to combat the flu.
 - (D) None of the above
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3. What part of a light microscope is used to hold the slide in place?

- (A) Base
 - (B) Arm
 - (C) Rack stop
 - (D) Stage clips
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4. Which type of cells possess a cell membrane?

- (A) Prokaryotic cells only
 - (B) Eukaryotic cells only
 - (C) Both prokaryotic and eukaryotic cells
 - (D) None of the above
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5. Epithelial cells are:

- (A) Polarized
 - (B) Neutral
 - (C) Larger than other cells
 - (D) None of the above
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6. Which of the following options best represents complementary base pairing in DNA?

- (A) A and G
 - (B) A and C
 - (C) A and A
 - (D) A and T
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7. Which of the following is always true about molecules?

- (A) They can travel through all cell membranes
 - (B) They move from low concentration to high concentration without using energy
 - (C) They move from high concentration to low concentration without using energy
 - (D) They cannot move
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8. How many different types of nucleotides are there in DNA?

- (A) one
 - (B) two
 - (C) four
 - (D) eight
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9. In the human life cycle, only sperm and eggs have which number of chromosomes?

- (A) Diploid
 - (B) Polyploid
 - (C) Monoploid
 - (D) Haploid
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10. Why doesn't an antibiotic work for treating flu symptoms in a patient?

- (A) The antibiotic is for a different type of infection, not the flu.
- (B) The antibiotic is not effective in treating viral infections like the flu.
- (C) The antibiotic is not administered in a sufficient dosage to combat the flu.
- (D) None of the above