

HESI A2 Exam Biology Questions

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

1. What will happen to a hard-boiled egg if placed in a beaker of saltwater?

- (A) Expand due to water moving into the egg
 - (B) Shivel due to water leaving the egg
 - (C) Remain the same
 - (D) None of the above
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2. Cytosine (C) and Thymine (T) are known as:

- (A) Purines
 - (B) Pyrimidines
 - (C) Both
 - (D) None of the above
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3. Where in the cell does the Krebs cycle take place?

- (A) Mitochondrion
 - (B) Cytoplasm
 - (C) Nucleus
 - (D) Chloroplast
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4. What type of bond holds water molecules together?

- (A) Ionic
 - (B) Covalent
 - (C) Hydrogen
 - (D) Molecular
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5. Tonicity refers to the movement of:

- (A) Water
 - (B) Solute
 - (C) Cells
 - (D) None of the above
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6. Phenotype refers to the..... of an individual.

- (A) Genetic makeup
 - (B) Actual physical appearance
 - (C) Recessive alleles
 - (D) None of the above
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7. Why does cellular respiration occur?

- (A) Cells can copy DNA
 - (B) Cells can breathe
 - (C) Cells can convert nutrients to energy
 - (D) Cells can divide
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8. What type of cell primarily makes up animals?

- (A) Eukaryotic
 - (B) Simple
 - (C) Prokaryotic
 - (D) Bacterial
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9. Which base has two carbon rings?

- (A) N
 - (B) C
 - (C) T
 - (D) G
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10. What are the three types of muscle tissue?

- (A) Cardiac, smooth, skeletal
 - (B) Smooth, skeletal, cardiac
 - (C) Neuron, epithelial, collagen
 - (D) None of the above
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