#### General Biology Review Questions

#### 1. Multiple choice questions

- 1. What correctly describes the enzyme characteristics is (D)
  - A. Enzymes are proteins
  - B. Enzymes are produced outside the organism and can only play a catalytic role in the organism
  - C. Enzyme activity increases with increasing temperature
  - Each enzyme can only catalyze a chemical reaction of one or a class of substances
- 2. The main energy substances of living organisms are: (B)
  - A, carbohydrate B, lipid C, protein D, nucleic acid
- 3. Which of the following is not a physiological function of protein in the human body? (D)
- A. Renewal substances of cell components B, main components of enzymes C, raw materials for tissue repair D, main sources of energy
  - 4. Algae in cultured water belong to (D).
    - A. Decomposers B. Consumers C. Heterotrophic organisms D. Autotrophs
  - Zooplankton in cultured water bodies are (B).
    - A. Producer B. Primary Consumer C. Sub-consumer D. Decomposer
  - 6. The bacteria in the aquaculture water body are ( D )
    - A. Producer B. Primary Consumer C. Sub-consumer D. Decomposer
  - 7. The following statement of the concept of reproduction is correct (B)
    - A. The metabolic process of organisms B . The process by which organisms produce offspring
- C. The process of organisms from small to large D. The phenomenon of similar traits in the previous descendants of organisms
- If a somatic cell in the late stage of mitosis has 24 chromosomes, then the number of chromosomes of the cell in the pre-mitotic stage should be (A).
  - A. 24 B. 48 C. 12 D. 12 pairs
- In the salivary amylase catalyzed starch hydrolysis experiment, diluting saliva tenfold is basically the same as the experimental effect with saliva stock solution. This indicates that the enzyme has (C).
  - A Specificity B Diversity C Efficiency D Stability
  - 10. Which of the following groups of substances is a component of DNA? (B)
- A. Deoxyribose, nucleic acids and phosphates B, deoxyribose, nitrogenous bases and phosphoric acids

# **Biology Sem 2 Review Questions And Key**

**Lingsheng Yao** 

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