

**First Quarter Exam Review Sheet #1****Multiple Choice**

Identify the letter of the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. Cells are
- the structures that contain all of the materials necessary for life.
  - found in all organisms.
  - sometimes specialized for particular functions.
  - All of the above
- \_\_\_\_\_ 2. Which of the following is a true statement about all living things?
- They cannot sense changes in their external environment.
  - They have one or more cells.
  - They do not need to use energy.
  - They reproduce asexually.
- \_\_\_\_\_ 3. Organisms must have food because
- food is a source of energy.
  - food supplies cells with oxygen.
  - organisms never make their own food.
  - All of the above
- \_\_\_\_\_ 4. A change in an organism's environment that affects the organism's activities is a
- response.
  - stimulus.
  - metabolism.
  - producer.
- \_\_\_\_\_ 5. The molecule that contains the information on how to make proteins is
- ATP.
  - a carbohydrate.
  - DNA.
  - a phospholipid.
- \_\_\_\_\_ 6. When a duck dives under water, its inner eyelids automatically raise to cover the duck's eyes. In this case, water acts as
- homeostasis.
  - a stimulus.
  - a reaction.
  - an enzyme.
- \_\_\_\_\_ 7. The molecule that provides energy for cellular processes is
- ATP.
  - DNA.
  - RNA.
  - protein.
- \_\_\_\_\_ 8. Cells do not use \_\_\_\_\_ for energy storage.
- fats
  - oils
  - carbohydrates
  - nucleic acids
- \_\_\_\_\_ 9. Maintaining a body temperature of 37°C and a stable amount of sugar in your blood are both examples of
- homeostasis.
  - metabolism.
  - photosynthesis.
  - respiration.
- \_\_\_\_\_ 10. Which of the following is a stimulus?
- sound
  - darkness
  - gravity
  - All of the above
- \_\_\_\_\_ 11. A monkey is made up of trillions of
- stimuli.
  - minerals.
  - eggs.
  - cells.

- \_\_\_\_\_ 12. The pupils of your eyes respond to which of the following stimuli?  
a. sound  
b. light  
c. scent  
d. touch
- \_\_\_\_\_ 13. Organisms use energy to  
a. move materials into and out of cells.  
b. build cells.  
c. make or break down food.  
d. All of the above
- \_\_\_\_\_ 14. Which statement best describes what happens to a single-celled organism when it is eaten?  
a. It reproduces sexually.  
b. Its energy is transferred to another organism.  
c. It reproduces asexually.  
d. It maintains homeostasis.
- \_\_\_\_\_ 15. What are the four basic necessities of life?  
a. air, water, food, and living space  
b. sunlight, air, water, and food  
c. water, air, food, and clothing  
d. sunlight, water, food, and clothing
- \_\_\_\_\_ 16. Most plants are  
a. producers.  
b. consumers.  
c. decomposers.  
d. Both (b) and (c)
- \_\_\_\_\_ 17. Which statement best describes how producers get the food they need to survive?  
a. They break down the nutrients in dead organisms or animal wastes.  
b. They use energy from the sun to make food from water and carbon dioxide.  
c. They obtain energy and food from the chemicals in their environment.  
d. Either (b) or (c)
- \_\_\_\_\_ 18. Which statement best describes how consumers get the food they need to survive?  
a. They use energy from the sun to make food from water and carbon dioxide.  
b. They obtain energy and food from the chemicals in their environment.  
c. They eat other organisms.  
d. They break down the nutrients in dead organisms or animal wastes.
- \_\_\_\_\_ 19. Which statement best describes how decomposers get the food they need to survive?  
a. They eat other organisms.  
b. They obtain energy and food from the chemicals in their environment.  
c. They use energy from the sun to make food from water and carbon dioxide.  
d. They break down the nutrients in dead organisms or animal wastes.
- \_\_\_\_\_ 20. A salamander is an example of a  
a. producer.  
b. consumer.  
c. decomposer.  
d. scavenger.
- \_\_\_\_\_ 21. The human body maintains a temperature of about  
a. 37°C.  
b. 0°C.  
c. 98.6°C.  
d. None of the above
- \_\_\_\_\_ 22. The metabolism of an organism includes activities such as  
a. making food.  
b. building cells.  
c. moving materials in and out of cells.  
d. All of the above
- \_\_\_\_\_ 23. Humans obtain water  
a. from the fluids they drink.  
b. from the food they eat.  
c. by osmosis.  
d. Both (a) and (b)