

**1st Quarter Exam Review Sheet #3****Multiple Choice**

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

- \_\_\_\_\_ 1. When particles are moved through a membrane from a region of low concentration to a region of high concentration, the process is called
- diffusion.
  - passive transport.
  - active transport.
  - fermentation.
- \_\_\_\_\_ 2. An organism with chloroplasts is a
- consumer.
  - prokaryote.
  - producer.
  - centromere.
- \_\_\_\_\_ 3. Which one of the following does NOT perform mitosis?
- a prokaryotic cell
  - a human body cell
  - a eukaryotic cell
  - a plant cell
- \_\_\_\_\_ 4. Food particles move through proteins in the cell membrane without using energy in a process called
- osmosis.
  - passive transport.
  - active transport.
  - endocytosis.
- \_\_\_\_\_ 5. When wilted celery is soaked in water, it becomes crisp again due to
- exocytosis.
  - active transport.
  - vesicle movement.
  - osmosis.
- \_\_\_\_\_ 6. Fermentation in animal cells produces
- glucose and carbon dioxide.
  - alcohol and ATP.
  - lactic acid and ATP.
  - lactic acid and carbon dioxide.
- \_\_\_\_\_ 7. Oxygen is used to break down food molecules and release energy in a process called
- photosynthesis.
  - cytokinesis.
  - cellular respiration.
  - fermentation.
- \_\_\_\_\_ 8. Which of the following is a product of photosynthesis?
- glucose
  - carbon dioxide
  - carbon monoxide
  - heat energy
- \_\_\_\_\_ 9. Which of the following is NOT used to make glucose in photosynthesis?
- H<sub>2</sub>O
  - O<sub>2</sub>
  - CO<sub>2</sub>
  - light energy
- \_\_\_\_\_ 10. Diffusion can take place if the two substances are
- solid.
  - liquid.
  - gas.
  - All of the above
- \_\_\_\_\_ 11. Osmosis is the diffusion of what substance through a cell membrane?
- water
  - oxygen
  - food particles
  - All of the above
- \_\_\_\_\_ 12. How would sugar entering a cell that already contains a high concentration of sugar get through a cell membrane and into a cell?
- osmosis
  - active transportation
  - passive transportation
  - the sugar will not go from an area of low concentration to an area of high concentration

Name: \_\_\_\_\_

ID: A

- \_\_\_\_\_ 13. When a cell membrane surrounds a particle, encloses it in a vesicle, and brings the particle into the cell, this is called
- a. osmosis.
  - b. active transportation.
  - c. endocytosis.
  - d. exocytosis.
- \_\_\_\_\_ 14. The term that means "outside the cell" is
- a. osmosis.
  - b. active transportation.
  - c. endocytosis.
  - d. exocytosis.
- \_\_\_\_\_ 15. Photosynthesis means
- a. "within the cell."
  - b. "outside the cell."
  - c. "made by light."
  - d. "breathing."
- \_\_\_\_\_ 16. Endocytosis means
- a. "within the cell."
  - b. "outside the cell."
  - c. "made by light."
  - d. "breathing."
- \_\_\_\_\_ 17. Exocytosis means
- a. "within the cell."
  - b. "outside the cell."
  - c. "made by light."
  - d. "breathing."
- \_\_\_\_\_ 18. Respiration means
- a. "within the cell."
  - b. "outside the cell."
  - c. "made by light."
  - d. "breathing."
- \_\_\_\_\_ 19. \_\_\_\_\_ is what gives plants their green color.
- a. Water
  - b. Chlorophyll
  - c. Carbon dioxide
  - d. Glucose
- \_\_\_\_\_ 20. Photosynthesis takes place in
- a. chloroplasts.
  - b. chlorophyll.
  - c. carbohydrates.
  - d. chromatids.