

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
- a. diffusion.
 - b. passive transport.
 - c. active transport.
 - d. fermentation.
- _____ 2. An organism with chloroplasts is a
- a. consumer.
 - b. prokaryote.
 - c. producer.
 - d. centromere.
- _____ 3. Which one of the following does NOT perform mitosis?
- a. a prokaryotic cell
 - b. a human body cell
 - c. a eukaryotic cell
 - d. a plant cell
- _____ 4. Food particles move through proteins in the cell membrane without using energy in a process called
- a. osmosis.
 - b. passive transport.
 - c. active transport.
 - d. endocytosis.
- _____ 5. When wilted celery is soaked in water, it becomes crisp again due to
- a. exocytosis.
 - b. active transport.
 - c. vesicle movement.
 - d. osmosis.
- _____ 6. Fermentation in animal cells produces
- a. glucose and carbon dioxide.
 - b. alcohol and ATP.
 - c. lactic acid and ATP.
 - d. lactic acid and carbon dioxide.
- _____ 7. Oxygen is used to break down food molecules and release energy in a process called
- a. photosynthesis.
 - b. cytokinesis.
 - c. cellular respiration.
 - d. fermentation.
- _____ 8. Which of the following is a product of photosynthesis?
- a. glucose
 - b. carbon dioxide
 - c. carbon monoxide
 - d. heat energy
- _____ 9. Which of the following is NOT used to make glucose in photosynthesis?
- a. H₂O
 - b. O₂
 - c. CO₂
 - d. light energy
- _____ 10. Diffusion can take place if the two substances are
- a. solid.
 - b. liquid.
 - c. gas.
 - d. All of the above
- _____ 11. Osmosis is the diffusion of what substance through a cell membrane?
- a. water
 - b. oxygen
 - c. food particles
 - d. 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?
- a. osmosis
 - b. active transportation
 - c. passive transportation
 - d. 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.

1st Quarter Exam Review Sheet #3
Answer Section

MULTIPLE CHOICE

1. C
2. C
3. A
4. B
5. D
6. C
7. C
8. A
9. B
10. D
11. A
12. B
13. C
14. D
15. C
16. A
17. B
18. D
19. B
20. A