

Lesson Quiz B

LESSON 1

Cells and Life

Multiple Choice

Directions: *On the line before each question, write the letter of the correct answer.*

- _____ 1. What are the long chains of molecules that make up many substances in cells?
 - A. lipids
 - B. amino acids
 - C. macromolecules
 - D. simple molecules

- _____ 2. Which substance makes up 75 percent of the volume of cells?
 - A. lipids
 - B. water
 - C. nucleic acids
 - D. carbohydrates

- _____ 3. Which characteristic of lipids makes them useful as protective barriers in cells?
 - A. They contain starches.
 - B. They do not dissolve in water.
 - C. They are not macromolecules.
 - D. They contain genetic material.

- _____ 4. Which statement is part of the cell theory?
 - A. All living things are made of cells.
 - B. Cells are made of macromolecules.
 - C. All objects on Earth are made of cells.
 - D. Cells are composed of carbohydrates and lipids.

Short Answer

Directions: *Respond to each statement on the lines provided.*

5. Determine the role of amino acids in the formation of proteins.

6. Assess what carbohydrates, such as sugars, do to help produce the body's energy.

7. Examine nucleic acids, identifying their subunits and their relationship to DNA.

Lesson Quiz A

LESSON 2

The Cell

Multiple Choice

Directions: On the line before each question, write the letter of the correct answer.

- _____ 1. Which function describes what a vacuole does?
 - A. releases energy from food
 - B. stores food, water, and wastes
 - C. packages proteins into vesicles

- _____ 2. Which function describes what a mitochondrion does?
 - A. releases energy from food
 - B. makes food using sunlight
 - C. stores food, water, and wastes

- _____ 3. Which object is an example of a prokaryotic cell?
 - A. a plant cell
 - B. a bacterium
 - C. an animal cell

Matching

Directions: On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.

Matching Set 1

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|---|----------------|
| _____ 4. makes proteins in the cytoplasm | A. chloroplast |
| _____ 5. directs all cell activity | B. nucleus |
| _____ 6. uses light energy to make food in plants | C. ribosome |

Matching Set 2

- | | |
|--|---------------|
| _____ 7. cell structures with specific functions | D. eukaryotic |
| _____ 8. fluid inside a cell | E. organelles |
| _____ 9. cell with genetic material surrounded by a membrane | F. cytoplasm |