

## Assessment

**Quiz****Section: Cell Membrane**

In the space provided, write the letter of the description that best matches each term.

- |                           |  |
|---------------------------|--|
| _____ 1. cell membrane    | a. a boundary that encloses the cell, separating it from its surroundings          |
| _____ 2. phospholipid     | b. the maintenance of stable internal conditions in a changing environment         |
| _____ 3. lipid bilayer    | c. a lipid made of a phosphate group and two fatty acids                           |
| _____ 4. homeostasis      | d. substance made of amino acids and that is held in place among the lipids        |
| _____ 5. membrane protein | e. a double layer of phospholipids that is the foundation of a biological membrane |

In the space provided, write the letter of the term or phrase that best answers each question.

- \_\_\_\_\_ 6. How does a cell membrane aid the cell in maintaining homeostasis?
- a. by changing the internal environment
  - b. by changing the external environment
  - c. by controlling what goes in and out of the cell
  - d. by providing structural support for the cell
- \_\_\_\_\_ 7. Which kinds of substances *cannot* pass through the cell membrane and why?
- a. polar molecules because the inside of the membrane is nonpolar
  - b. nonpolar molecules because the inside of the membrane is polar
  - c. polar molecules because the inside of the membrane is polar
  - d. nonpolar molecules because inside of the membrane is nonpolar
- \_\_\_\_\_ 8. Which membrane protein enables cells to sense their surroundings?
- a. cell-surface marker
  - b. receptor protein
  - c. enzyme
  - d. transfer protein
- \_\_\_\_\_ 9. Which membrane protein allows other cells to identify a cell?
- a. cell-surface marker
  - b. receptor protein
  - c. enzyme
  - d. transfer protein
- \_\_\_\_\_ 10. Which membrane protein carries substances across the cell membrane?
- a. cell-surface marker
  - b. receptor protein
  - c. enzyme
  - d. transport protein