

Name: \_\_\_\_\_ Class Period: \_\_\_\_\_

## CELL TRANSPORT

Match the definition on the left with the term on the right.

- \_\_\_\_\_ release of wastes or cell products from inside to outside a cell
- \_\_\_\_\_ diffusion of water molecules through a selectively permeable membrane
- \_\_\_\_\_ continuous movement of particles but no overall change in concentration
- \_\_\_\_\_ movement of particles from an area of higher concentration to one of lower concentration

- |                        |
|------------------------|
| a. diffusion           |
| b. dynamic equilibrium |
| c. exocytosis          |
| d. osmosis             |

In the space at the left, write true if the statement is true. If the statement is false, change the italicized term to make the statement true. Write this answer in the blank provided.

- \_\_\_\_\_ 5. In *passive transport*, the movement of particles across a membrane requires energy.
- \_\_\_\_\_ 6. *Endocytosis* is a process by which a cell membrane surrounds and takes in material from the environment.
- \_\_\_\_\_ 7. A membrane that allows only some materials to pass through shows *selective permeability*.

Hi-lite or circle the word or phrase that best completes the statement or answers the question.

8. The structure most responsible for maintaining cell *homeostasis* is the  
**cytoplasm**                      **cell wall**                      **mitochondria**                      **cell membrane**
9. A cell membrane is made up of a(n)  
**cholesterol layer**                      **enzyme layer**                      **lipid bilayer**                      **protein layer**
10. Which of the following is not a form of passive transport?  
**diffusion**                      **endocytosis**                      **osmosis**                      **facilitated diffusion**
11. Diffusion continues until  
**equilibrium is reached**                      **turgor pressure is reached**                      **only one side of the membrane has molecules**
12. If a cell is placed in salt water, water leaves the cell by  
**osmosis**                      **diffusion**                      **active transport**                      **phagocytosis**
13. A cell moves particles from a region of lesser concentration to a region of higher concentration by  
**diffusion**                      **osmosis**                      **passive transport**                      **active transport**