Name _____ Date _____ Class _____

Study Guide Cellular Transport

In your textbook, read about cellular transport.

Match the definition in Column A with the term in Column B.

Column A

_____ **1.** moves small molecules across the plasma membrane using transport proteins

_____ **2.** involves water moving across the plasma membrane to the side with the greater solute concentration

_____ **3.** occurs when substances move against the concentration gradient; requires energy and the aid of carrier proteins

_____ **4.** occurs when the plasma membrane surrounds a large substance inside the cell and moves it outside the cell

_____ **5.** the condition that results when diffusion continues until the concentrations are the same in all areas

_____ **6.** occurs when the plasma membrane surrounds a large substance outside the cell and moves it inside the cell

Column B

A. osmosis

B. exocytosis

C. facilitated diffusion

D. dynamic equilibrium

E. active transport

F. endocytosis

In your textbook, read about osmosis.

Complete the table by checking the correct column(s) for each description.

Description	Isotonic Solution	Hypotonic Solution	Hypertonic Solution
7. A solution that has the same osmotic concentration as a cell's cytoplasm			
8. A solution that causes a cell to shrivel			
9. A solution that causes a cell to swell			
10. A solution that neither shrinks nor swells a cell			
11. A solution in which there is more water outside the cell than inside the cell			
12. A solution that causes water to move out of a cell			