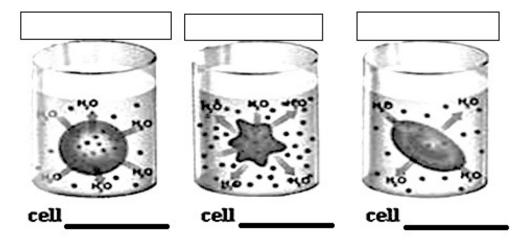
Name:	Date:					
Diffusion and Osmosis: Reinforcement Activity #15						
To the student observer: Expl	ain osmosis.					
-	xplain what happens to a bowl of strawberries when you cov-					

In your textbook, read about osmosis: diffusion of water.

Complete the table by checking the correct column for each statement.

Statement	Isotonic Solution	Hypotonic Solution	Hypertonic Solution
1. Causes a cell to swell			
2. Doesn't change the shape of a cell			
3. Causes osmosis			
4. Causes a cell to shrink			

Part II. Directions. Identify the type of solution is shown in the diagram by writing **hypotonic**, **isotonic** or **hypertonic** inside the boxes below, then describe the shape of the cell as "expands", "shrinks", or "normal" on the blank spaces below each figure.



Cellular Transport

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

Match the definition in Column A with the term in Column B.				
Column A		Column B		
1. moves small molecules across the plasma (cell) membrane using transport proteins	Α.	osmosis		
2. involves water moving across the plasma (cell) membrane to the side with the greater solute concentration	В.	exocytosis		
3. occurs when substances move against the concentration gradient; requires energy and the aid of carrier proteins	C.	facilitated diffusion		
4. occurs when the plasma (cell) membrane surrounds a large substance inside the cell and moves it outside the cell	D.	dynamic equilibrium		
	E.	active transport		
5. the condition that results when diffusion continues until the concentrations are the same in all areas	F.	endocytosis		
6. occurs when the plasma (cell) membrane surrounds a large substance outside the cell and moves it inside the cell				
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			