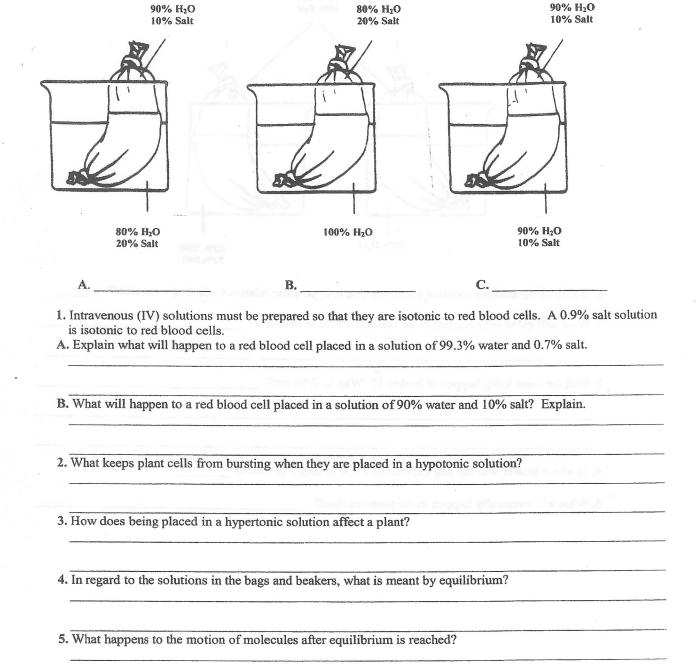
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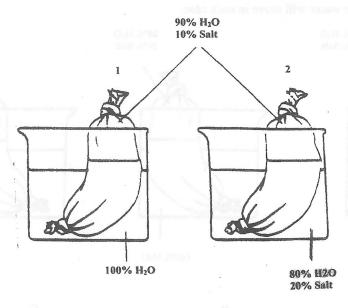
CRITICAL THINKING: ANOTHER LOOK AT OSMOSIS

The direction in which water molecules move during osmosis depends on where the salt molecules are more highly concentrated. Study the diagrams below. Decide whether the solution in each beaker is **HYPOTONIC**, **ISOTONIC**, or **HYPERTONIC** in relation to the solution inside the cellulose bag. **Draw arrows** to indicate the direction in which the water will move in each case.



6. What is turgor pressure in a plant cell?

Cells maintain homeostasis by passive and active transport across their membranes. Study the diagrams of the beakers below, noting the concentrations of salts in the beakers and in the semi-permeable bags. Water molecules can pass through the bags, but salt cannot. **Draw arrows** in the diagrams to show the direction in which water will move. Then answer the questions that follow.



. Which of the beakers contains a solution that is hypertonic relative to the bag's contents?	_
. What will eventually happen to the concentrations in beaker 2?	
A. Tagulain what will happen to a red blood cell placed in a solution of 39,3% water and 0.7% will.	
. Will the same thing happen in beaker 1? Why or Why not?	
B. What will happen to a red blood cell placed in a solution of 90% water and 10% salt? Explain.	
. In which beaker will the bag experience a rise in turgor pressure?	
. What will eventually happen as the pressure rises?	2