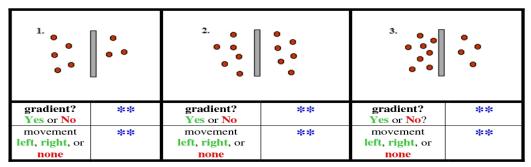
Osmosis and Diffusion Practice Name:

- I. Based on what you've learned, in your own words, answer the following questions regarding movement of materials through a cell membrane. DO NOT COPY and PASTE!!!
- What does semi-permeable mean? *
- What is the net movement of molecules from high to low concentrations? **
 What is the term for the diffusion of water? **
- What does dynamic equilibrium mean? **
- 5. What is a hypertonic solution? **6. What is a hypotonic solution? **7. What is an isotonic solution? **

- II. Observe the diagrams in the table below. Assume that the dots are dissolved particles on either side of the cell membrane. They are like oxygen molecules that can go across the membrane. Do the following situations represent concentration gradients? If so, in which direction would diffusion occur?



III. Observe the diagrams in the table below. Assume that the dots are dissolved particles (like protein or carbohydrate molecules) on either side of the cell membrane. Do the following situations represent concentration gradients? If so, in which direction would osmosis occur?

