

Name: _____

Date: _____

Diffusion and Osmosis

1. As molecules diffuse, they create a **concentration gradient**, which is a difference in concentrations across space.
2. Cell membranes are **semi permeable**. This means that they only allow certain things to pass through
3. Diffusion is the movement of molecules. Osmosis is the diffusion of **water**
4. The direction that water molecules move is determined by the difference in the concentration of **solute** in the solvent inside and outside the cell. solute
5. **Osmosis** is the process of water molecules moving across a cell membrane.
6. The word hypertonic means **high** concentration of solutes.
7. The word hypotonic means **low** concentration of solutes.
8. A membrane that would allow ANYTHING to pass through it would be called **Permeable**
9. The cell membrane regulates and controls what kind of **molecules** move in & out of the cell.
10. When molecules spread from an area of high to low concentration to, it is called **diffusion**