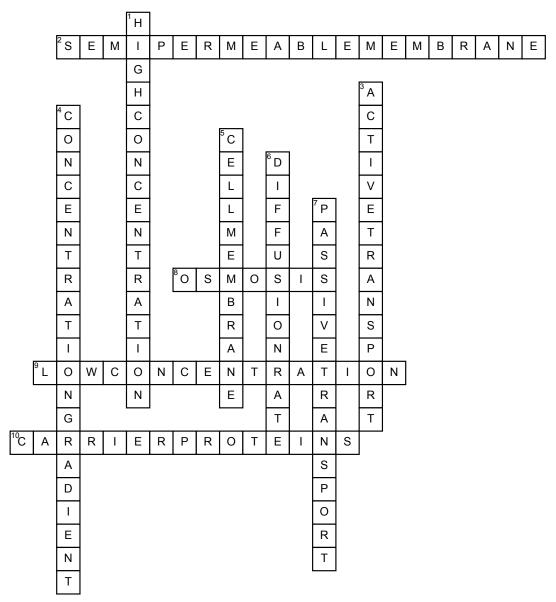
Name:	Date:

Osmosis and Active Transport



Across

- **2.** They let some substances pass through them, but not others.
- **8.** The diffusion of water molecules from high to low concentration.
- **9.** A concentrated solution contains a _____ of water molecules.
- **10.** They pick up specific molecules and take them through the cell membrane against the concentration gradient.

Down

1. A dilute solution contains a _____ of water molecules.

- **3.** The movement of dissolved molecules into or out of a cell through the cell membrane, from low to high concentration (up the gradient) . Requires ATP.
- **4.** The difference between the concentration inside and outside of the cell.
- **5.** The semipermeable membrane surrounding the cytoplasm of a cell.
- **6.** Effected by temperature, steepness of the gradient, size of the solute and electric or pressure gradients.
- **7.** The type of transport that requires no ATP, goes from high to low concentration (down the gradient)