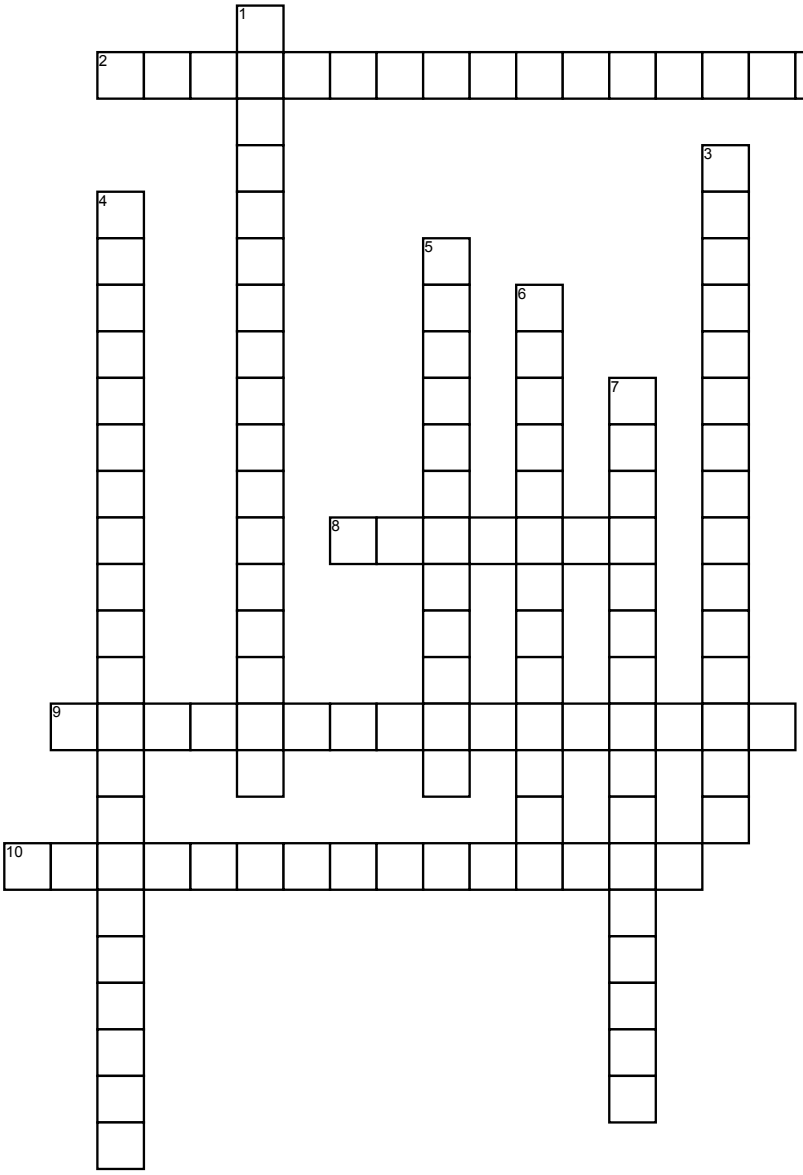
Name: _____ Date: _____

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)