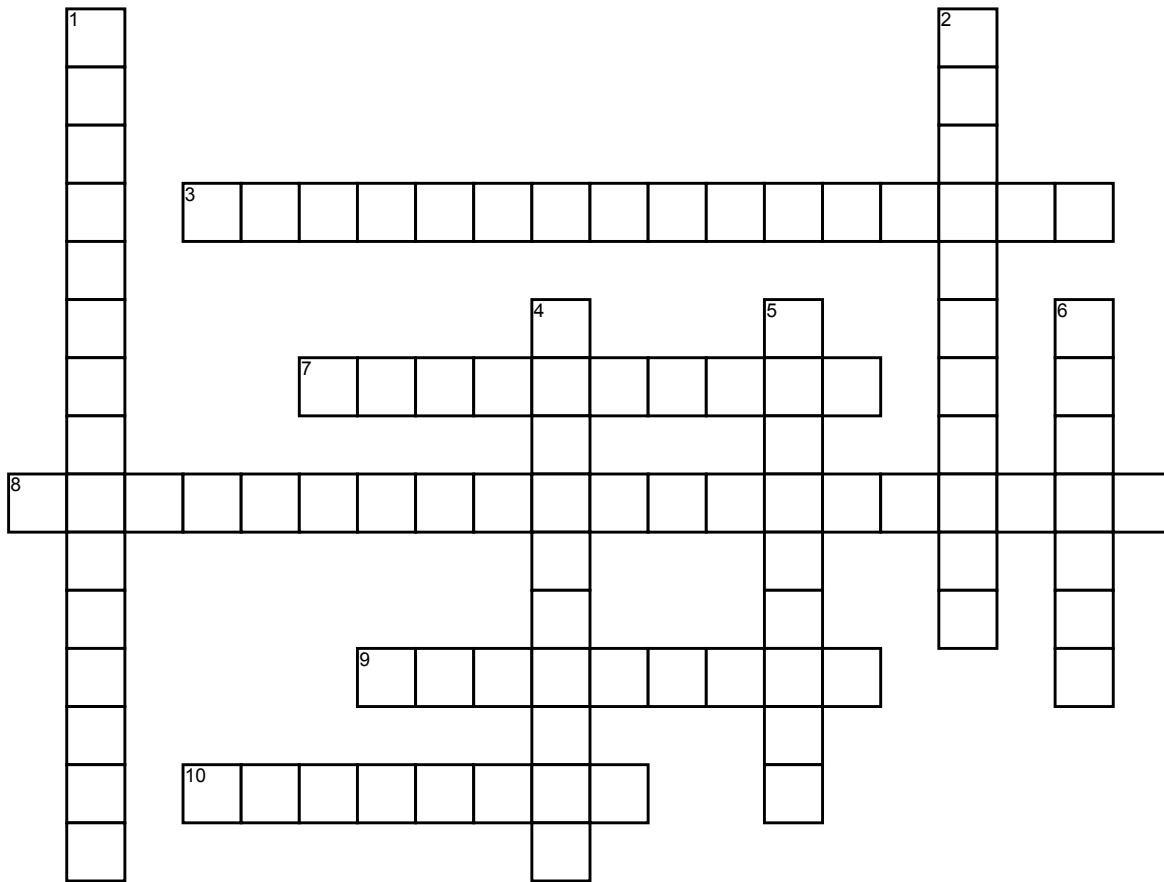


# Cellular Transport



## **Across**

- 3.** movement of substances across the plasma membrane without requiring energy
- 7.** the secretion of materials at the plasma membrane
- 8.** a form of transportation that uses transport proteins to move ions and small molecules across the plasma membrane
- 9.** when a cell is in a solution that has a lower concentration of solute
- 10.** when a cell is in a solution that has the same concentration of water and solutes (ions, sugars, proteins, etc.) as its cytoplasm

## **Down**

- 1.** movement of substances across the plasma membrane against a concentration gradient requires energy
- 2.** the process by which a cell surrounds a substance in the outside environment, enclosing the substance in a portion of the plasma membrane
- 4.** when a cell is placed in a solution in which the concentration of the solute outside of the cell is higher than inside
- 5.** net movement of particles from an area where there are many particles of the substance to an area where there are fewer particles of the substance
- 6.** the diffusion of water across a selectively permeable membrane