

ACTIVE VS. PASSIVE TRANSPORT

Part 1: Sorting Information

Color the box **BLUE** if the description goes with **ACTIVE** cell transport.

Color the box **YELLOW** if the description goes with **PASSIVE** transport.

Color the box **GREEN** if the description goes with **BOTH** passive and active transport.

Exocytosis	Molecules move UP the concentration gradient	Movement of <u>charged</u> molecules (ions)	Movement of molecules in and/or out of the cell membrane
Movement of Na ⁺ , K ⁺ , Cl ⁻	Movement of oxygen	Movement of water	Movement of carbon dioxide
Essential for cell survival	Osmosis	Substances move DOWN the concentration gradient	ATP (energy) required
Endocytosis	Facilitated Diffusion	Aids the cell in reaching equilibrium	Movement of molecules from LOW to HIGH concentration
Helps cell maintain homeostasis	Movement of molecules from HIGH to LOW concentration	Movement of <u>uncharged</u> molecules	No energy needed
Diffusion	Movement of LARGE particles in/out of cell	Movement of SMALL particles in/out of cell	Type of cellular transport

Part 2: Creating a Graphic Organizer

Cut out the boxes. Create a graphic organizer of your choice using a sheet of paper. There should be three sections: ACTIVE, BOTH, PASSIVE. Paste the boxes into the appropriate sections.