# **Osmosis Article Note-Taking Guide Teacher Version**

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| **Osmosis Notes** | |
| **Major Idea** | **Notes** |
| Membrane | * A thin, skinlike material through which some substances can pass, but others cannot * Called a cell membrane in cells and separates the inside of a cell from the environment and materials around it. |
| Solutions, Solutes, and Solvents | * A solution is a mixture of two or more substances: a solute and a solvent. * A solute dissolves within the solvent. * A solvent is mostly liquid. * Solvents can travel across/through membranes whereas solutes cannot. |
| The Process of Osmosis | * Living things use this process to get water and other nutrients to cells for survival. * In addition to cells using osmosis, plants use this process to get water and nutrients through their roots. * Cell membranes use osmosis to supply the cell with what it needs and to protect it from what it does not need. |
| **Define osmosis in your own words.**  Osmosis is a process that allows solutions to pass through membranes. Osmosis is vital for cell survival because it allows needed nutrients to cross the cell membrane. | |