

OSMOSIS

Meaning: Osmosis is the movement of water molecules through a selectively permeable membrane from an area of lower solute concentration to an area of higher solute concentration, essential for cellular hydration and balance.

1. The process of osmosis allows water to move across cell membranes, balancing concentrations inside and outside the cell.
2. In her biology class, she learned that osmosis is crucial for maintaining the proper hydration of plant cells.
3. The slow osmosis of flavor from the marinade into the meat transformed the dish into a culinary delight.
4. Through osmosis, the saltwater fish adapted to survive in an environment with a higher salt concentration than their bodies.
5. Understanding osmosis helps explain why certain fruits become wrinkled when left out in the open air for too long.

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