

# Membranes and Osmosis Explored

## Part 1: Cell Membranes

Explores the structure and function of cell membranes, membrane permeability, and how molecules are transported across membranes.

- Why Your Brain is Fatty
- Membrane Structure
- Membrane Permeability
- Proteins in Membranes
- Passive Transport
- Active Transport
- Check Your Understanding
- Summary of Part 1

## Part 2: Osmosis

Cells rely on osmosis. Discover osmotic concentration as it relates to hypotonic, hypertonic, and isotonic solutions. Explore examples of osmosis.

- Solutions of Life: Osmosis and Cells
- Permeability and Osmosis
- Hypotonic, Hypertonic, and Isotonic Solutions
- Osmotic Concentration
- IV Fluid Composition
- Mystery Cell
- Check Your Understanding
- Plant Cells and Osmosis
- Osmosis and Life: A Dialysis Example
- Summary of Part 2

## Part 3: Quiz Questions

Quiz Questions

- Quiz Questions
- Feedback Survey

## Part 4: Membranes and Osmosis Sandbox

An experimental section for further exploration of membranes and osmosis.

- Explore More