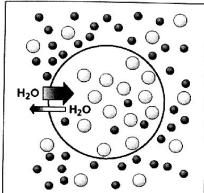
Master 12

Osmosis and Hypotonic, Hypertonic, and Isotonic Solutions

Reteaching Skills

Use with Chapter 8, Section 8.1

Hypotonic Solution



Approximate ratio of water molecules to dissolved particles

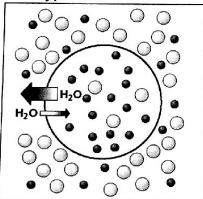
Inside cell:

1 water molecules: 3 dissolved particles

Outside cell:

4 water molecules: 1 dissolved particles

Hypertonic Solution



Approximate ratio of water molecules to dissolved particles

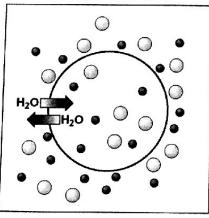
Inside cell:

5.5 water molecules: 1 dissolved particles

Outside cell-

1 water molecules: 2.5 dissolved particles

Isotonic Solution



Approximate ratio of water molecules to dissolved particles

Inside cell:

1 water molecules: 1 dissolved particles

Outside cell:

_____ water molecules: _____ dissolved particles

- Water molecules
- Dissolved particles

Count the water molecules and dissolved particles inside and outside each cell.

Worksheet

Osmosis and Hypotonic, Hypertonic, and Isotonic Solutions



Use with Chapter 8, Section 8.1

osmosis
hypotonic solution
hypertonic solution
isotonic solution
nen a cell is in a hypotonic solution, how will water molecules move?
nen a cell is in a hypertonic solution, how will water molecules move?
nen a cell is in an isotonic solution, how will water molecules move?
lain how hypotonic and hypertonic solutions can make a plant rigid and firm or te it wilt.
nosis is a form of passive transport. Explain how facilitated diffusion, which is ther form of passive transport, is different from osmosis.