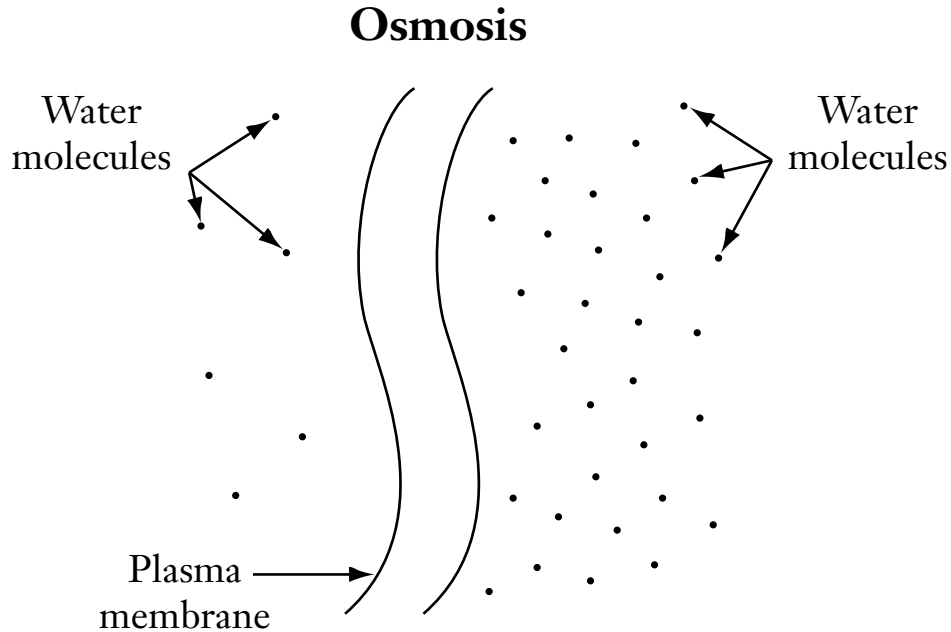


CHAPTER 9 HOMEOSTASIS AND THE PLASMA MEMBRANE

Section 9.2 Cellular Transport Study the Diagram

Study the diagram and read the caption. Then answer the questions.



Osmosis occurs when water molecules move through the plasma membrane. The molecules move from an area of higher water concentration to an area of lower water concentration.

1. Draw an arrow across the plasma membrane in the diagram to show which way water molecules move during osmosis.
2. Osmosis is a type of diffusion. In osmosis, what substance moves? _____
3. In osmosis, the moving substance passes through a _____ membrane.
4. After osmosis, there is a balance of water molecules inside and outside the cell. Draw water molecules in the diagram above to show what the cell looks like after osmosis.