

Study Guide Chapter 7-3

Vocabulary

Passive Transport

Concentration Gradient

Equilibrium

Diffusion

Osmosis

Hypertonic Solution

Hypotonic Solution

Isotonic Solution

Ion Channel

Carrier Protein

Facilitated Diffusion

Active Transport

Sodium-Potassium Pump

Endocytosis

Exocytosis

Receptor Protein

Second Messenger

Possible Short Answer Questions

How does dissolved solute concentration influence osmosis?

What are the 3 steps of facilitated diffusion?

What are the 4 steps to the sodium-potassium pump?

What are the 3 outcomes of a signal molecule binding to a receptor protein?

Why is the sodium-potassium pump so important to regulating cell function?

What are two ways some cells deal with the problem of being in a hypotonic solution?

What causes the random motion of atoms?