

In _____ transport, molecules move from areas of _____ concentration to _____ concentration across a cell membrane, which requires no _____ to be used. Diffusion, _____, and _____ diffusion are examples of passive transport that the _____ uses to move _____ in and out of a cell.

passive

cell-membrane

high

low

facilitated

energy

osmosis

molecules

Protein Pump

Occurs when a vesicle merges with the cell membrane to bring material into the cell

Endocytosis

Occurs when a vesicle merges with the cell membrane to release material from the cell

Exocytosis

Used when molecules pass through the cell membrane against the concentration gradient with the use of ATP energy

Passive Transport

The movement of molecules across a cell membrane without the use of ATP energy

Active Transport

The movement of molecules across a cell membrane using ATP energy

True or False: Passive transport occurs when molecules move from an area of low concentration to high concentration.

A. True

B. False

The movement of water across a membrane moving with the concentration gradient is called _____.

A. facilitated diffusion

B. osmosis

C. active transport

D. None of the above

In facilitated diffusion, a _____ is needed to help molecules move across the cell membrane.

A. lipid

B. amino acid

C. carbohydrate

D. protein

True or False: In passive transport, no energy is needed in order for molecules to move across the membrane.

A. True

B. False