Membrane Structure and Function

Terms to know·

Selectively permeable

Amphipathic molecules

Fluid Mosaic Model

Hydrophobic

Hydrophilic

Functions of.

Proteins in plasma membranes·
        Transport
        Enzyme activity
        Signal transduction
        Cell-cell recognition
        Intercellular joining
        Attachment to cytoskeleton and matrix

Function of cholesterol embedded in membrane

        Fluidity is affected by temperature. At warm temps cholesterol prevents membrane from moving excessively. At cool temperatures, prevents tight packing.

Passive diffusion or passive transport

Facilitated diffusion (by transport proteins)

Aquaporins

Concentration gradient

Hypertonic

Hypotonic

Isotonic

Lysis

Crenation

Osmosis

Turgid

Flaccid

Plasmolysis

Active transport

Exocytosis

Endocytosis

Phagocytosis

Pinocytosis

Receptor-mediated endocytosis