
STRUCTURE AND FUNCTION OF CELLS MEMBRANE

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Cell Membrane - ✓ ✓ Boundary controlling substance movement in cells.

Selective Permeability - ✓ ✓ Allows certain substances to cross more easily.

Fluid Mosaic Model - ✓ ✓ Describes membrane structure with moving phospholipids and proteins.

Phospholipid Bilayer - ✓ ✓ Double layer forming stable boundary between compartments.

Hydrophilic Region - ✓ ✓ Water-attracting part of phospholipid molecules.

Hydrophobic Region - ✓ ✓ Water-repelling part of phospholipid molecules.

Saturated Phospholipids - ✓ ✓ Increase membrane rigidity, reducing fluidity.

Unsaturated Phospholipids - ✓ ✓ Enhance membrane fluidity by preventing tight packing.

Cholesterol - ✓ ✓ Regulates membrane fluidity at varying temperatures.

Glycolipids - ✓ ✓ Lipids with carbohydrate chains for cell recognition.

Glycoproteins - ✓ ✓ Proteins with carbohydrate chains aiding cell communication.

Cell Signalling - ✓ ✓ Process of communication leading to specific cellular responses.

Passive Transport - ✓ ✓ Movement of substances without energy expenditure.

Active Transport - ✓ ✓ Movement of substances requiring energy input.

Endocytosis - ✓ ✓ Process of cellular intake of substances.

Exocytosis - ✓ ✓ Process of expelling substances from the cell.

Water Potential - ✓ ✓ Potential energy of water in a system.

Answers For Guide Membrane Structure Function

Brenda Walpole



Answers For Guide Membrane Structure Function:

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