STRUCTURE AND FUNCTION OF CELLS MEMBRANE FINAL EXAM GUIDE 2025

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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 - V 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.

Guide Membrane Structure And Function Answers

Michael Seilmaier

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