

Biochem Flashcards PDF

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What is the primary structure of a protein?

The primary structure of a protein is the sequence of amino acids in a polypeptide chain.

What is the role of enzymes in biochemical reactions?

Enzymes act as catalysts to speed up biochemical reactions by lowering the activation energy.

What are the four main types of biomolecules?

The four main types of biomolecules are carbohydrates, lipids, proteins, and nucleic acids.

What is the function of DNA?

DNA stores genetic information and provides the instructions for the synthesis of proteins.

What is the difference between saturated and unsaturated fats?

Saturated fats have no double bonds between carbon atoms, while unsaturated fats have one or more double bonds.

What is glycolysis?

Glycolysis is the metabolic pathway that converts glucose into pyruvate, producing ATP and NADH.

What is the function of ribosomes?

Ribosomes are the cellular structures responsible for protein synthesis.

What are the building blocks of nucleic acids?

The building blocks of nucleic acids are nucleotides.

What is the role of ATP in the cell?

ATP serves as the primary energy currency of the cell, providing energy for various cellular processes.

What is the function of the cell membrane?

The cell membrane regulates the movement of substances in and out of the cell and provides protection and structure.