

Biochemistry Flashcards PDF

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What is the basic unit of life?

The cell.

What are the four main types of macromolecules?

Carbohydrates, lipids, proteins, and nucleic acids.

What is the primary function of enzymes?

To catalyze biochemical reactions.

What is the role of DNA in cells?

To store and transmit genetic information.

What is the process of converting glucose into energy called?

Cellular respiration.

What are amino acids?

The building blocks of proteins.

What is the function of ribosomes?

To synthesize 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 the role of ATP in the cell?

ATP serves as the primary energy currency of the cell.

What is glycolysis?

The metabolic pathway that converts glucose into pyruvate, producing a small amount of ATP.