

## Ap Bio Chapter 2 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 function of enzymes?

Enzymes act as catalysts to speed up chemical reactions.

What is the role of DNA?

DNA stores and transmits genetic information.

What is the difference between prokaryotic and eukaryotic cells?

Prokaryotic cells do not have a nucleus or membrane-bound organelles, while eukaryotic cells do.

What is osmosis?

Osmosis is the diffusion of water across a selectively permeable membrane.

What is the function of ribosomes?

Ribosomes are responsible for protein synthesis.

What is the significance of the cell membrane?

The cell membrane regulates what enters and leaves the cell.

What are the building blocks of proteins?

Amino acids.

What is the process of photosynthesis?

Photosynthesis is the process by which green plants and some other organisms use sunlight to synthesize foods with the help of chlorophyll.