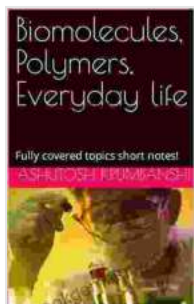


Biomolecules: The Polymers That Shape Everyday Life

What are Biomolecules?

Biomolecules are large, complex molecules that are essential for life. They are found in all living things, and they play a vital role in everything from the structure of our bodies to the function of our cells. Biomolecules are made up of smaller molecules called monomers, which are linked together in long chains. The four main types of biomolecules are DNA, RNA, proteins, and carbohydrates.



Biomolecules, Polymers, Everyday life: Fully covered topics short notes! (Full 11th + 12th CHEMISTRY fully covered short notes) by William Ma

★★★★☆ 4.9 out of 5

Language : English
File size : 18542 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 86 pages



DNA and RNA

DNA and RNA are nucleic acids, which are responsible for storing and transmitting genetic information. DNA is found in the nucleus of cells, and it contains the instructions for making all of the proteins that the cell needs. RNA is a copy of DNA that is used to direct the synthesis of proteins.

Proteins

Proteins are the most abundant type of biomolecule. They are made up of amino acids, which are linked together in long chains. Proteins have a wide range of functions, including structural support, enzyme catalysis, and hormone regulation.

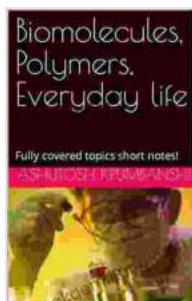
Carbohydrates

Carbohydrates are the body's main source of energy. They are made up of sugars, which are linked together in long chains. Carbohydrates are broken down into glucose, which is then used by cells for energy.

Biomolecules in Everyday Life

Biomolecules play a vital role in everyday life. They are used in a wide range of products, including food, clothing, and medicine. For example, DNA is used to identify people and diagnose diseases. Proteins are used to make enzymes, which are used in a variety of industrial processes. Carbohydrates are used to make food and fuel.

Biomolecules are essential for life. They play a vital role in everything from the structure of our bodies to the function of our cells. Biomolecules are also used in a wide range of products, including food, clothing, and medicine.



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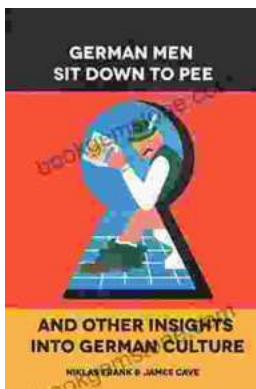
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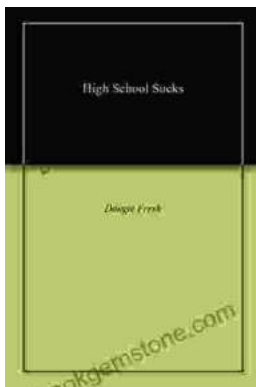
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