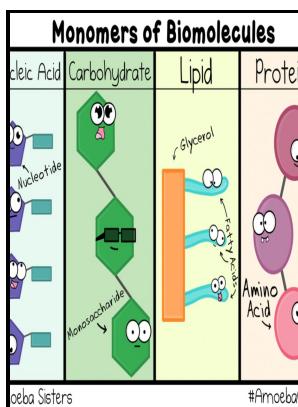


Biochemistry of nucleic acids.

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Description: -

-Biochemistry of nucleic acids.

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Notes: Previous ed. 1965.

This edition was published in 1969



Filesize: 42.85 MB

Tags: #Biochemical #Properties #of #Nucleic #Acids

Biosynthesis of Nucleic Acids

Nucleic acids are long chainlike molecules composed of a series of nearly identical building blocks called. However, they also are required for numerous other important functions within the cell.

Nucleic Acids and Genetic Information

Nucleosides are found in the cell primarily in their phosphorylated form.

Nucleic Acids and Genetic Information

RNA The structure of RNA Figure 2.

Biochemical Properties of Nucleic Acids

In higher organisms, there is a correlation between the quantity of DNA contained in a cell and the quantity of genetic information.

Nucleic Acids

Catalysis RNA structure, like protein structure, has importance, in some cases, for catalytic function. While you probably don't have to remember the full words right now, we should tell you that DNA stands for deoxyribonucleic acid. To one of the vials, a compound that one wants to test the mutagenicity of is added.

Biochemistry: Nucleic acids

The formation of cGMP, and its subsequent activation of , plays a critical role in the regulation of blood pressure. All nucleic acids contain the bases A, C, and G; T, however, is found only in DNA, while U is found in RNA.

Nucleic Acids and Genetic Information

Explanation: Helicase is used to separate annealed nitrogenous bases of double-stranded DNA in order to allow access by other fundamental enzymes such as DNA polymerase so that replication may proceed.

Nucleic Acids and Genetic Information

The difference in their size is due to the asymmetry of the deoxyribose rings and the structurally distinct nature of the upper surface of a base-pair relative to the bottom surface.

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