

DNA Structure and Replication

What is genetic information and how is it passed?

Chapter 1

Genetic information is stored in DNA in the sequence of bases. In eukaryotes, the genetic information is stored in chromosomes, which are made of DNA and proteins. In prokaryotes, the genetic information is stored in a single circular chromosome. The structure of DNA is a double helix, with the sugar-phosphate backbone on the outside and the nitrogenous bases on the inside.

Model 1 – The Structure of DNA



- What is the diagram in Model 1?
 - For each unit, the phosphate group is a condensed sugar phosphate group.
 - For each unit, the sugar is a deoxyribose sugar.
 - For each unit, the nitrogenous base is a purine or pyrimidine.
 - What are the four nitrogenous bases shown in Model 1? Adenine, Thymine, Guanine, Cytosine.
- What is the structure of DNA?
 - It is a double helix, with the sugar-phosphate backbone on the outside and the nitrogenous bases on the inside.
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How Is Genetic Information Stored And Copied Packet Answers

JG Myers



How Is Genetic Information Stored And Copied Packet Answers:

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