

DNA Structure and Replication

How is genetic information stored and copied?

Why?

Deoxyribonucleic acid or **DNA** is the molecule of heredity. It contains the genetic blueprint for life. For organisms to grow and repair damaged cells, each cell must be capable of accurately copying itself. So how does the structure of DNA allow it to copy itself so accurately?

Model 1 – The Structure of DNA



1. Refer to the diagram in Model 1.
 - a. What are the three parts of a nucleotide?

Deoxyribose sugar, Phosphate, Nitrogen-containing base.

- a. What kind of sugar is found in a nucleotide?

Deoxyribose

- a. Which nucleotide component contains nitrogen?

bases (A,T,G,C)

- a. Name the four nitrogen bases shown in Model 1.

Adenine, Thymine, Guanine, Cytosine

2. DNA is often drawn in a "ladder model." Locate this drawing in Model 1.
 - a. Circle a single nucleotide on each side of the ladder model of DNA.

Dna Structure And Replication Worksheet Answers

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Dna Structure And Replication Worksheet Answers:

Dna Structure And Replication Worksheet Answers Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Dna Structure And Replication Worksheet Answers**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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