

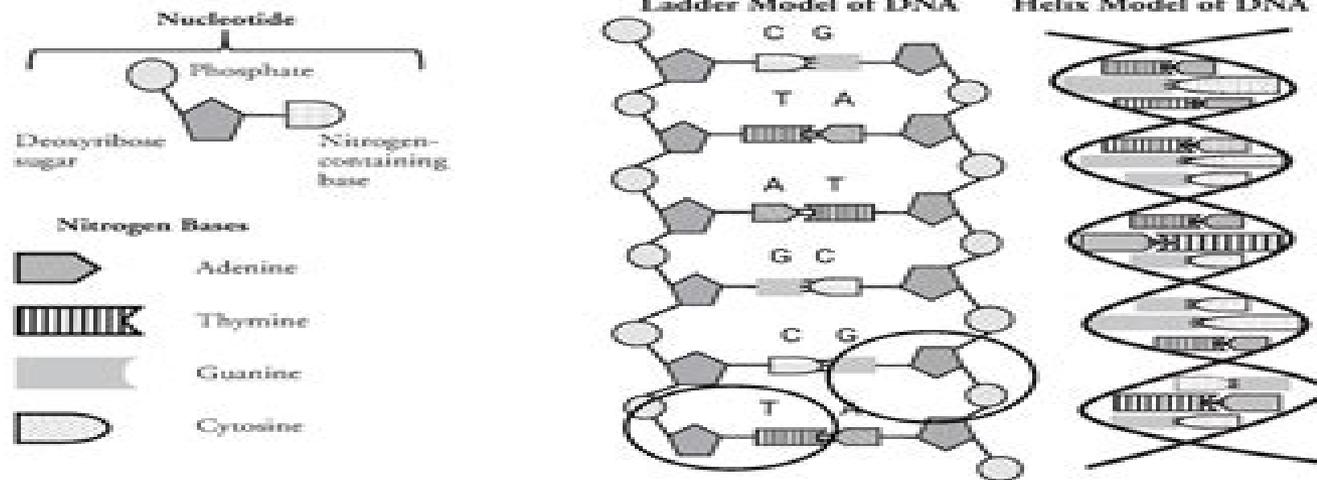
# DNA Structure and Replication

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?  
**Phosphate, sugar, and base**
  - b. What kind of sugar is found in a nucleotide?  
**deoxyribose**
  - c. Which nucleotide component contains nitrogen?  
**base**
  - d. 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.

# 18 Dna Structure And Replication Answer

**Ying-Ying Zheng**



**18 Dna Structure And Replication Answer:**

## Adopting the Song of Appearance: An Psychological Symphony within **18 Dna Structure And Replication Answer**

In some sort of consumed by screens and the ceaseless chatter of instant transmission, the melodic splendor and mental symphony developed by the prepared term usually diminish in to the background, eclipsed by the relentless noise and disturbances that permeate our lives. Nevertheless, nestled within the pages of **18 Dna Structure And Replication Answer** a charming fictional value overflowing with organic feelings, lies an immersive symphony waiting to be embraced. Constructed by a masterful composer of language, that captivating masterpiece conducts visitors on a mental journey, well unraveling the concealed songs and profound affect resonating within each carefully crafted phrase. Within the depths of this touching assessment, we can examine the book is main harmonies, analyze their enthralling publishing type, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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