

Chapter

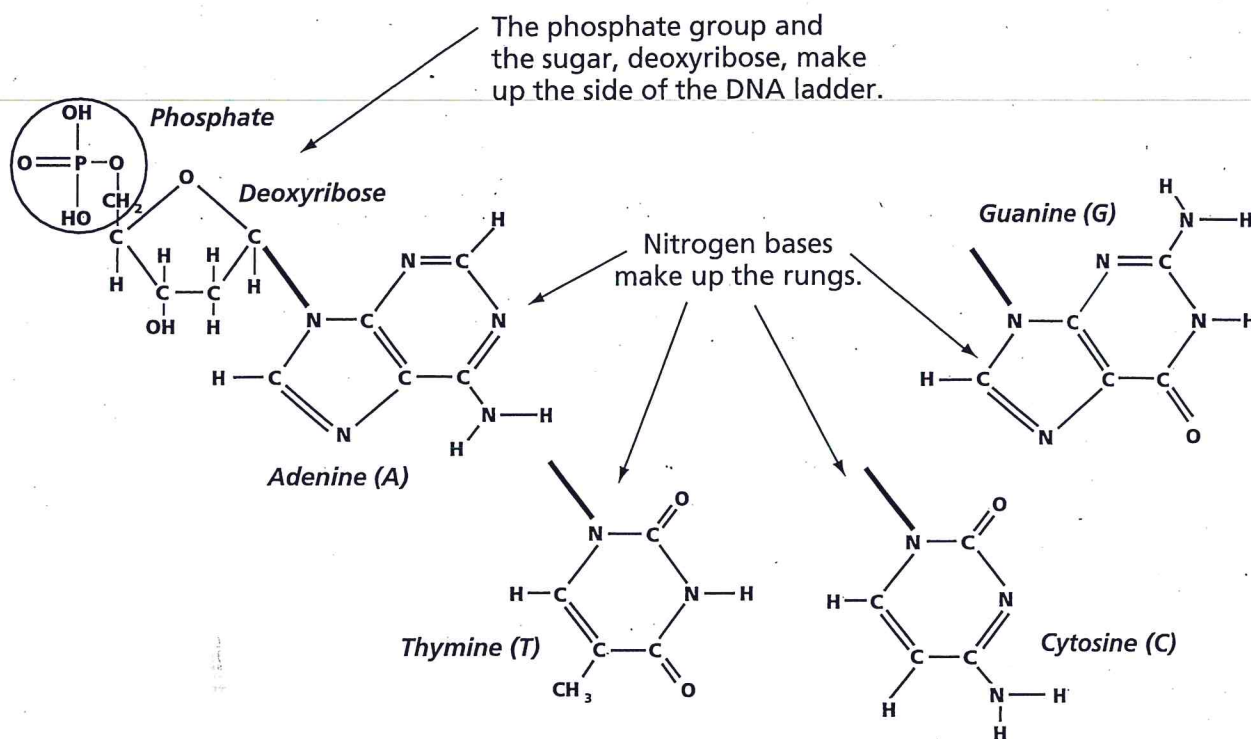
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DNA and Genes

Content Mastery

Get the Big Picture

Study the picture. Then answer the questions.



A DNA molecule is similar in shape to a ladder.

1. How many types of nitrogen bases does DNA have? _____

Name them. _____

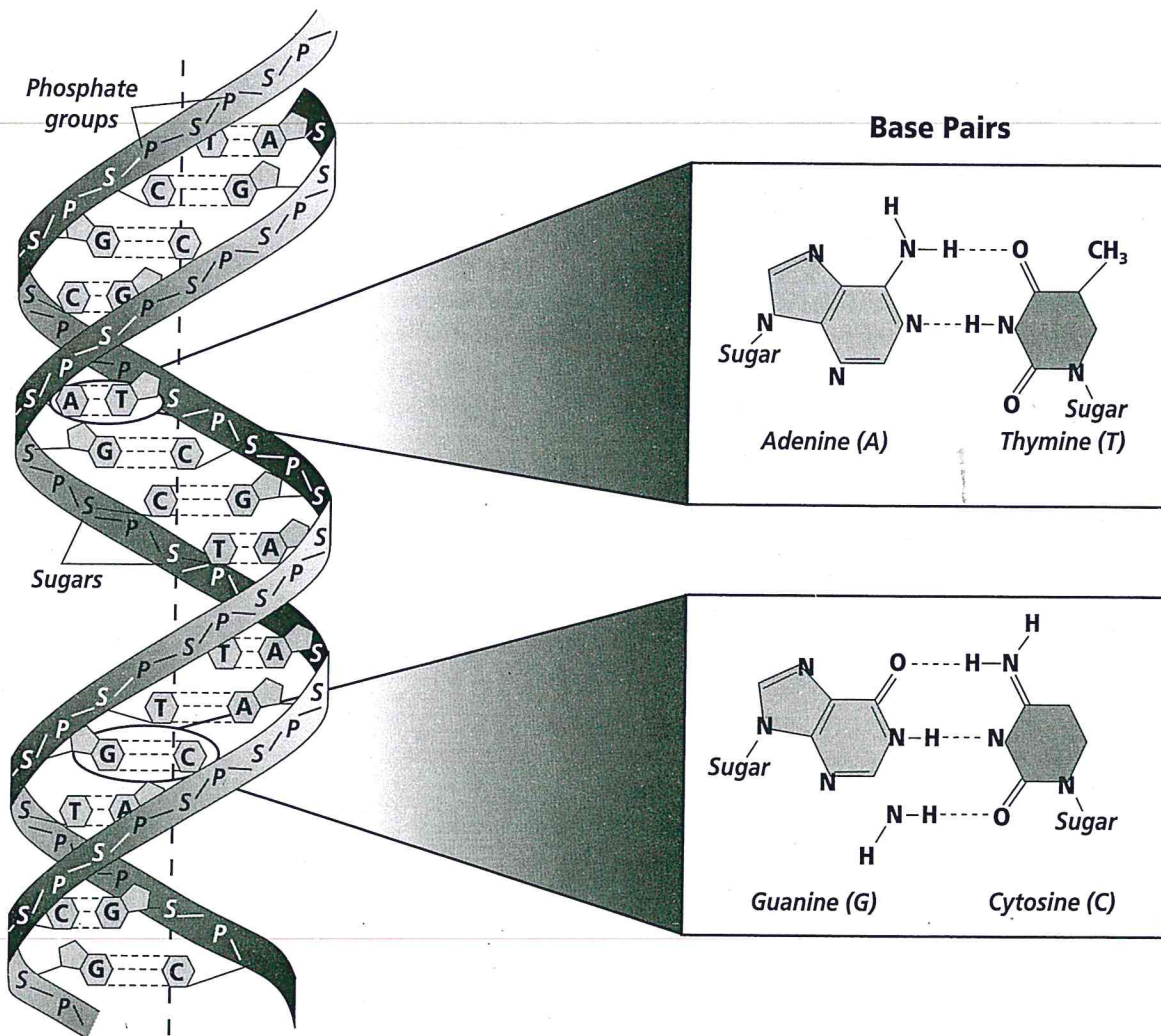
2. What are the sides of the DNA ladder made of? _____

3. What are the steps of the DNA ladder made of? _____

4. What kind of bonds hold the chains of building blocks together? _____

Study the Diagram

Study the diagram. Then answer the questions.



1. The diagram above shows the shape of a DNA molecule. How would you describe the shape of this molecule?

2. If the DNA molecule were compared to a spiral staircase, which parts would make up the rails of the staircase? _____
3. If the DNA molecule were compared to a spiral staircase, which parts would make up the steps of the staircase? _____
4. Which bases tend to pair together?
