

Study Guide

CHAPTER 12

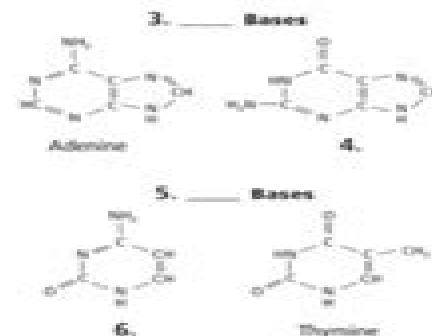
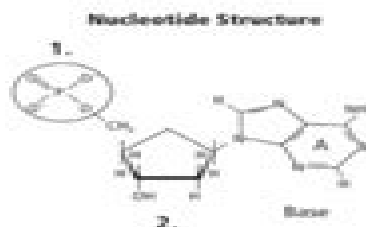
Section 1: DNA: The Genetic Material

In your textbook, read about nucleotides.

Label the diagrams of DNA nucleotides and bases. Use these choices:

cytosine guanine phosphate purine pyrimidine sugar

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



In your textbook, read about DNA structure.

Write the term or phrase that best completes each statement. Use these choices:

adenine (A) chromosome cytosine double helix
double-ring genetic material nitrogenous bases nucleic acids
nucleotides purine single-ring

7. _____, guanine (G), cytosine (C), and thymine (T) are the four _____ in DNA.
8. In DNA, _____ always forms hydrogen bonds with guanine (G).
9. The sequence of _____ carries the genetic information of an organism.
10. Chargaff's data states that the number of _____ bases equals the number of pyrimidine bases in DNA.
11. The twisted ladder shape of DNA is called a _____.
12. DNA is the _____ of all organisms.
13. The pyrimidine bases have a _____ structure.
14. The purine bases have a _____ structure.
15. DNA and RNA are the two _____ found in living cells.
16. DNA supercoils to make up the structure known as a _____.

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CK-12 Biology Teacher's Edition CK-12 Foundation, 2012-04-11 CK 12 Biology Teacher's Edition complements the CK 12 Biology Student Edition FlexBook Science Units for Grades 9-12 Randy L. Bell, Joe Garofalo, 2005 Sample topics include cell division virtual dissection earthquake modeling the Doppler Effect and more **Making Schools Work for**

Every Child, 2000 *Cell-Free Synthetic Biology* Jian Li, Yong-Chan Kwon, Yuan Lu, Simon J. Moore, 2022-01-13

Laboratory Information Bulletin, 1998 **Cambridge English for Schools 4 Teacher's Book** Andrew Littlejohn, Diana Hicks, 1998-11-12 Cambridge English for Schools offers an exciting approach to English for students from eleven to sixteen years old The Teacher's Book is clear and comprehensive and includes an A Z of Methodology reference section Videos and tests are available separately for all levels of the course Parallel Curriculum Units for Science, Grades 6-12 Jann H.

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Guide for Captioned Films, XX, 1984 *Biology* Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004

Educart CBSE Class 9 Science One-shot Question Bank 2026 (Strictly for 2025-26 Exam) Educart, 2025-06-07 What Do You Get Question Bank for daily practice Handpicked important chapter wise questions What notable components are included in Educart CBSE CLASS 9 Science ONE SHOT Chapter wise concept maps Each chapter has 3 worksheets for daily practice Unit wise worksheets Pull Out are given separately for extra practice NCERT Exemplar DIKSHA PYQs Competency Based Important Qs to cover every type of questions Answer key for every worksheet Detailed explanation of each question with Related Theory Caution Important Points PYQs from annual papers of various schools Strictly based on 28th March 2025 CBSE syllabus Why choose this book The Educart CBSE Class 9 Science One Shot book helps students master concepts quickly with visual concept maps and daily practice worksheets It builds exam confidence through targeted Qs from NCERT Exemplar DIKSHA and PYQs With detailed explanations and syllabus alignment it ensures smart effective preparation for scoring higher in exams **Environmental Issues**, 2005 *MnM_POW-Science-PM-10 (Updated)* Vibha Arora, Anju

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