

Study Guide

CHAPTER 11

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

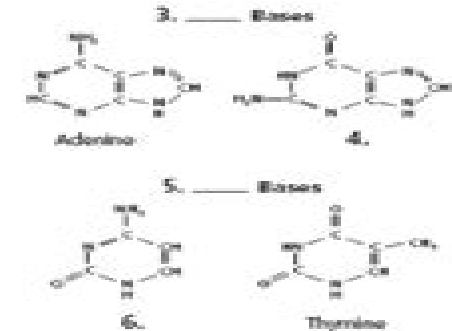
phosphate

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)
double-ring
nucleotides

chromosome
genetic material
purine

cytosine
nitrogenous bases
single-ring

double helix
nucleic acids

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 _____.

Biology The Genetic Material Study Guide Answers

Sundar Nathan



Biology The Genetic Material Study Guide Answers:

AP Biology Study Guide Sundar Nathan, 2009-11 Sundar Nathan received a Bachelor's degree in Electrical Engineering from Anna University Chennai India and a Masters degree in Biomedical Engineering from the University of Texas at Austin Working for over a year with a team of talented Phds MPhils and MScs from all over the world Sundar compiled this comprehensive study guide to help students prepare diligently understand the concepts and Crush the AP Bio Test **Life: The Science of Biology Study Guide** William K. Purves, Edward Dzialowski, Lindsay Goodloe, Betty McGuire, Nancy Guild, Paula Mabee, 2003-12-26 New edition of a text presenting underlying concepts and showing their relevance to medical agricultural and environmental issues Seven chapters discuss the cell information and heredity evolutionary process the evolution of diversity the biology of flowering plants and of animals and ecology and biogeography Topics are linked by themes such as evolution the experimental foundations of knowledge the flow of energy in the living world the application and influence of molecular techniques and human health considerations Includes a CD ROM which covers some of the subject matter and introduces and illustrates 1 700 plus key terms and concepts Annotation copyrighted by Book News Inc Portland OR *Biology, Study Guide* Gilbert D. Brum, Larry McKane, Gerald Karp, 1993-10-28 This lively richly illustrated text makes biology relevant and appealing revealing it as a dynamic process of exploration and discovery Portrays biologists as they really are human beings with motivations misfortunes and mishaps much like everyone has Encourages students to think critically solve problems apply biological principles to everyday life *Study Guide for The Developing Person Through Childhood and Adolescence 6e* Richard O. Straub, Kathleen Stassen Berger, 2002-11-07 This title is the study guide which accompanies *The Developing Person Through Childhood and Adolescence 6th edition* ISBN 0716752573 **Biology Essentials: A Study Guide** Cybellium, 2024-09-01 Welcome to the forefront of knowledge with Cybellium your trusted partner in mastering the cutting edge fields of IT Artificial Intelligence Cyber Security Business Economics and Science Designed for professionals students and enthusiasts alike our comprehensive books empower you to stay ahead in a rapidly evolving digital world Expert Insights Our books provide deep actionable insights that bridge the gap between theory and practical application Up to Date Content Stay current with the latest advancements trends and best practices in IT AI Cybersecurity Business Economics and Science Each guide is regularly updated to reflect the newest developments and challenges Comprehensive Coverage Whether you're a beginner or an advanced learner Cybellium books cover a wide range of topics from foundational principles to specialized knowledge tailored to your level of expertise Become part of a global network of learners and professionals who trust Cybellium to guide their educational journey www.cybellium.com *Life Study Guide* David E. Sadava, Gordon H. Orians, Craig Heller, William K. Purves, 2006-12-22 Especially helpful for AP Biology students each chapter of the study guide offers a variety of study and review tools The contents of each chapter are broken down into both a detailed review of the Important Concepts covered and a boiled down Big Picture snapshot The guide also

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