

Chapter 8: Photosynthesis

Section 8-1 Energy and Life (pages 201-203)

Autotrophs and Heterotrophs (page 201)

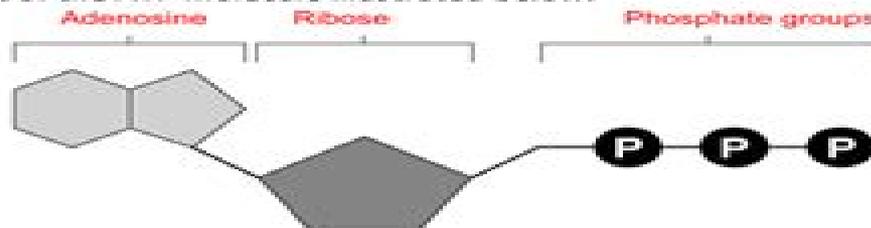
- Where does the energy of food originally come from?
The sun, plants use light energy to make food
- Complete the table describing the types of organisms.

TYPES OF ORGANISMS

Type	Description	Examples
<i>autotrophs</i>	Organisms that make their own food	<i>Plants</i>
<i>heterotrophs</i>	Organisms that obtain energy from the food they eat	<i>Animals</i>

Chemical Energy and ATP (page 202)

- What is one of the principal chemical compounds that cells use to store energy?
ATP (adenosine triphosphate)
- How is ATP different from ADP?
ATP has 3 phosphate groups and ADP has 2 phosphates
- Label each part of the ATP molecule illustrated below.



- When a cell has energy available, how can it store small amounts of that energy?
By adding a phosphate group to ADP, producing ATP
- When is the energy stored in ATP released?
By breaking the chemical bond between the second and third phosphates

Chapter 8 Section 2 Photosynthesis Quick Check Answers

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(School Division)**

Chapter 8 Section 2 Photosynthesis Quick Check Answers:

Biology: How Life Works (Volume 1) James Morris, 2013-01-04 Ordinarily textbooks are developed by first writing chapters then making decisions about art and images and finally once the book is complete assembling a test bank and ancillary media This process dramatically limits the integration across resources and reduces art media and assessments to ancillary material rather than essential resources for student learning *Biology How Life Works* is the first project to develop three pillars the text the visual program and the assessment at the same time All three pillars were developed in parallel to make sure that each idea is addressed in the most appropriate medium and to ensure authentic integration These three pillars are all tied to the same set of core concepts share a common language and use the same visual palette In this way the text visual program and assessments are integral parts of student learning rather than just accessories to the text

Biology Kenneth Raymond Miller, Prentice Hall (School Division), 1999-02 Maths for Advanced Biology Alan Cadogan, Malcolm Ingram, 2002 Written by teachers and fully covering the 2002 A Level maths specifications for biology this text is useful for both classroom work and homework exercises Relevant for AS and A2 Levels of study and designed to be accessible and friendly in format its aim is to provide clear and concise explanations of mathematical concepts and how these are then applied in biology Worked examples are included throughout encouraging students to grasp the subject matter with ease Examination style questions and answer sections provide an opportunity for continuous progression and to consolidate learning GED Science For Dummies Murray Shukyn, Achim K. Krull, 2015-09-23 Passing the GED Science Test has never been easier Does the thought of taking the GED Science Test make you sweat Fear not With the help of *GED Science Test For Dummies* you'll get up to speed on the new structure and computer based format of the GED and gain the confidence and know how to pass the Science Test like a pro Packed with helpful guidance and instruction this hands on test prep guide covers the concepts covered on the GED Science Test and gives you ample practice opportunities to assess your understanding of Life Science Physical Science and Earth and Space Science Designed to test your understanding of the fundamentals of science reasoning and the ability to apply those fundamentals in realistic situations the GED Science Test can be tough for the uninitiated Luckily this fun and accessible guide breaks down each section of the exam into easily digestible parts making everything you'll encounter on exam day feel like a breeze Inside you'll find methods to sharpen your science vocabulary and data analysis skills tips on how to approach GED Science Test question types and formats practice questions and study exercises and a full length practice test to help you pinpoint where you need more study help Presents reviews of the GED Science test question types and basic computer skills Offers practice questions to assess your knowledge of each subject area Includes one full length GED Science practice test Provides scoring guidelines and detailed answer explanations Even if science is something that's always made you squeamish *GED Science Test For Dummies* makes it easy to pass this crucial exam and obtain your hard earned graduate equivalency diploma **Te HS&T a** Holt Rinehart &

Winston,Holt, Rinehart and Winston Staff,2004-02 **Essentials of Biology** Holt Rinehart & Winston,1998 **Study Guide** George Karleskint,1991 Teacher's Wraparound Edition: Tve Biology Everyday Experience Albert Kaskel,1994-04-19 **Prentice Hall Chemistry** ,2000 *Prentice Hall Exploring Life Science* Anthea Maton,1997
Science Interactions Robert W. Avakian,1995-07-17 **ScottForesman Life Science** Addison-Wesley Educational Publishers, Incorporated,1985-08 **Technical Bulletin** Urban Land Institute,1977 Photosynthesis: Energy conversion by plants and bacteria Govindjee,1982 V 1 Energy conversion by plants and bacteria v 2 Development carbon metabolism and plant productivity **Biology** Cecie Starr,Ralph Taggart,2001 CD ROM contains quizzes flash cards and other study materials for the text media animations illustrating concepts **Lake Management Case Study** William A. Hanson,Frans Bigelow,1977 **Chemical Engineering Catalog** ,1925 *Education Manual. EM* United States Armed Forces Institute, *Waves, Sound, and Light* Glencoe/McGraw-Hill,2001-06 Pathways to Scientific Teaching Diane Ebert-May,Janet Hodder,2008 This book is based on a series of Pathways articles that illustrate effective instructional methods to help students gain conceptual understanding in ecology It presents a philosophy of scientific teaching based on pedagogical principles designed to improve learning

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