Active Reading

Section: Energy Flow in Ecosystems

Read the passage below and answer the questions that follow.

Energy from the sun enters an ecosystem when a plant uses sunlight to make sugar molecules by a process called photosynthesis. During photosynthesis, plants, algae, and some bacteria capture solar energy. Solar energy drives a series of chemical reactions that require carbon dioxide and water. The result of photosynthesis is the production of sugar molecules known as carbohydrates. Carbohydrates are energy-rich molecules which organisms use to carry out daily activities. As organisms consume food and use energy from carbohydrates, the energy travels from one organism to another. Plants produce carbohydrates in their leaves. When an animal cats a plant, some energy is transferred from the plant to the animal. Organisms use this energy to move, grow, and reproduce.

IDENTIFYING MAIN IDEAS

One reading skill is the ability to identify the main idea of a passage. The main idea is the main focus or key idea. Frequently a main idea is accompanied by supporting information that offers detailed facts about main ideas.

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- Plants, algae, and some bacteria capture during photosynthesis.
 - a. solar energy
 - b. carbohydrates

- c. carbon dioxide
- d. organisms
- 2. The chemical reactions driven by solar energy require
 - carbon dioxide and water.
 - b. plants and algae.

- c. organisms and water.
- carbon dioxide and sugar molecules.
- 3. During photosynthesis, plants make
 - carbohydrates.

C. Wantshire.

b. carbon dioxide.

- d. None of the above
- 4. Where does the production of carbohydrates in a plant take place?
 - a. in the carbohydrates

c. in the ecosystem

b. in the leaves.

d. in the stems

Active Reading Section Energy And Living Things Answer Key

Lauren Gardner

Active Reading Section Energy And Living Things Answer Key:

Chapter Resource 5 Photosynthesis/Cell Response Biology Holt Rinehart & Winston, Holt, Rinehart and Winston Glencoe Science, 2002 Teaching Primary Science Constructively Keith Skamp, Christine Staff.2004 Preston, 2017-09-05 Teaching Primary Science Constructively helps readers to create effective science learning experiences for primary students by using a constructivist approach to learning This best selling text explains the principles of constructivism and their implications for learning and teaching and discusses core strategies for developing science understanding and science inquiry processes and skills Chapters also provide research based ideas for implementing a constructivist approach within a number of content strands Throughout there are strong links to the key ideas themes and terminology of the revised Australian Curriculum Science This sixth edition includes a new introductory chapter addressing **Chapter Resource 3 Cell Structure Biology** readers preconceptions and concerns about teaching primary science Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 **Environmental Science**, The Birth of Energy Cara New Daggett, 2019-09-13 Cara New Daggett traces the genealogy of the idea of energy from the Industrial Revolution to the present showing how it has informed fossil fuel imperialism the governance of work and our relationship to the Earth

Summa Theologiae, Prima Pars: Volume 1, The One God, QQ 1-26 Thomas Aquinas, Thomas de Vio Cajetan, 2023-06-23 When Leo XII promulgated Aeterni Patris in 1879 he stipulated that the Leonine or official edition of the Summa should always be printed in conjunction with Cajetan's Commentary For five hundred years they were studied together Generations were trained by reading through the Summa article by article with Cajetan's commentaries in hand Early printed editions of the Summa typically included them in a Talmudic arrangement as marginal text running around each article by Aquinas This edition imitates that example Recently serious thinkers of all denominations and none have found new reasons to be interested in St Thomas His text is deceptively simple yet important issues are handled in every article sometimes below the surface Cajetan extracts these hidden issues and explains and elaborates on them with remarkable affinity to modern analytical philosophy Part of that affinity lies in the use of modal logic a tool whose importance was overlooked between the Renaissance and the twentieth century The time is ripe for an analytically inspired translation of Thomas hence this volume Never until now has Cajetan's Commentary been put into English in its entirety William Marshner's translation is consistent with fidelity to the technical force of the original The translator's footnotes acknowledge what empirical science has made obsolete in the work of St Thomas and also make clear how much today's science would have saved Thomas useless labor This volume will for the first time make Cajetan's help available to the modern reader

Modules McDougal Littell Incorporated,2005 Prentice Hall Science Explorer: Teacher's ed ,2005 Reading,
Grade 6 Spectrum,2006-12-11 Test with success using Spectrum Reading for grade 6 These curriculum rich lessons bring reading passages to life focusing on Latin and Greek roots figurative language fact and opinion and predicting outcomes The

book provides activities that reinforce phonemic awareness phonics word recognition decoding and reading comprehension It features easy to understand directions and includes a complete answer key Today more than ever students need to be equipped with the skills required for school achievement and success on proficiency tests This 176 page book aligns with state and national standards is perfect for use at home or in school and is favored by parents homeschoolers and teachers

Sample Campus Environmental Audits ,2005 Metasystems Learning Design of Open Textbooks: Emerging Research and Opportunities Railean, Elena,2018-07-06 Universal access to high quality education plays an important role in the building of peace sustainable social and economic development and intercultural dialogue Providing research on the quality and understanding of open education allows for successful learning strategies and educational sustainability Metasystems Learning Design of Open Textbooks Emerging Research and Opportunities is an essential reference source that discusses the role of open education in improving the quality of education as well as facilitating policy dialogue knowledge sharing and capacity building Featuring research on topics such as design theory competence development and adaptive learning this book is ideally designed for educators academicians education administrators curriculum developers and researchers seeking coverage on the functional models of open education and the diversity of open educational resources

Basic Nursing Leslie S Treas, Judith M Wilkinson, 2013-09-04 Thinking Doing Caring In every chapter you ll first explore the theoretical knowledge behind the concepts principles and rationales Then you ll study the practical knowledge involved in the processes and finally you ll learn the skills and procedures Student resources available at Davis Plus davis plus fadavis com Challenges and Opportunities in the Digital Era Salah A. Al-Sharhan, Antonis C. Simintiras, Yogesh K.

Dwivedi, Marijn Janssen, Matti Mäntymäki, Luay Tahat, Issam Moughrabi, Taher M. Ali, Nripendra P. Rana, 2018-10-23 This book constitutes the refereed conference proceedings of the 17th IFIP WG 6 11 Conference on e Business e Services and e Society I3E 201 held in Kuwait City Kuwait in October November 2018 The 65 revised full papers presented were carefully reviewed and selected from 99 submissions Topics of interest include amongst others the following social media information systems marketing and communications management and operations public administration economics sociology and psychology e finance e banking and e accounting computer science and computer engineering and teaching and learning Longman Science Biology 10 Tewari Akhilesh, 2008-09 The Literary World, 1876 The Congregationalist and Advance, 1919

Knowledge, Information and Creativity Support Systems: Recent Trends, Advances and Solutions Andrzej M.J. Skulimowski, Janusz Kacprzyk, 2016-02-25 This volume contains some carefully selected papers presented at the 8th International Conference on Knowledge Information and Creativity Support Systems KICCS 2013 which was held in Krak w and Wieliczka Poland in November 2013 In most cases the papers are extended versions with newer results added representing virtually all topics covered by the conference The KICCS 2013 focus theme Looking into the Future of Creativity and Decision Support Systems clearly indicates that the growing complexity calls for some deeper and insightful discussions

about the future but obviously complemented with an exposition of modern present developments that have proven their power and usefulness Following this theme the list of topics presented in this volume include some future oriented fields of research such as anticipatory networks and systems foresight support systems relevant newly emerging applications exemplified by autonomous creative systems Special attention was also given to cognitive and collaborative aspects of creativity The Congregationalist ,1920 JCERT Exam Scorer Commerce Class 12 Latest Edition 2025 Jharkhand Board SBPD Editorial,2024-09-29 Hindi Core 2 Model Papers Soved Hindi Elective 2 Model Papers Soved ENGLISH Core 2 Model Papers Solved ENGLISH Elective 2 Model Papers Solved ECONOMICS 2 Model Papers Solved ACCOUNTANCY 2 Model Papers Solved BUSINESS STUDIES 2 Model Papers Solved ENTREPRENEURSHIP 2 Model Papers Solved BUSINESS MATHEMATICS AND STATISTICS 2 Model Papers Solved COMPUTER SCIENCE 2 Model Papers Solved Board Examination Papers JAC 2024 Of All Subjects

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