

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 eats 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.

1. Plants, algae, and some bacteria capture _____ during photosynthesis.

- solar energy
- carbohydrates
- carbon dioxide
- organisms

2. The chemical reactions driven by solar energy require

- carbon dioxide and water.
- plants and algae.
- organisms and water.
- carbon dioxide and sugar molecules.

3. During photosynthesis, plants make

- carbohydrates.
- carbon dioxide.
- water.
- None of the above

4. Where does the production of carbohydrates in a plant take place?

- in the carbohydrates
- in the leaves
- in the ecosystem
- in the stems

Answer Key To Section Energy Flow

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Answer Key To Section Energy Flow:

NBS Special Publication ,1968 *Publications* United States. National Bureau of Standards,1978 **McGraw-Hill's SAT Subject Test Biology E/M, 3rd Edition** Stephanie Zinn,2012-02-03 Expert guidance on the Biology E M exam Many colleges and universities require you to take one or more SAT II Subject Tests to demonstrate your mastery of specific high school subjects McGraw Hill s SAT Subject Test Biology E M is written by experts in the field and gives you the guidance you need perform at your best This book includes 4 full length sample tests updated for the latest test formats two practice Biology E exams and two practice Biology M exams 30 top tips to remember for test day Glossary of tested biology terms How to decide whether to take Biology E or Biology M Diagnostic test to pinpoint strengths and weaknesses Sample exams exercises and problems designed to match the real tests in content and level of difficulty Step by step review of all topics covered on the two exams In depth coverage of the laboratory experiment questions that are a major part of the test

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information and abstract Corporate author subject report number indexes
Fagle,1963 *Chemistry* Steven S. Zumdahl,1993

Design for Life Richard F. Trump,David L.

The book delves into Answer Key To Section Energy Flow. Answer Key To Section Energy Flow is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Answer Key To Section Energy Flow, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Answer Key To Section Energy Flow
- Chapter 2: Essential Elements of Answer Key To Section Energy Flow
- Chapter 3: Answer Key To Section Energy Flow in Everyday Life
- Chapter 4: Answer Key To Section Energy Flow in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Answer Key To Section Energy Flow. This chapter will explore what Answer Key To Section Energy Flow is, why Answer Key To Section Energy Flow is vital, and how to effectively learn about Answer Key To Section Energy Flow.

3. In chapter 2, the author will delve into the foundational concepts of Answer Key To Section Energy Flow. This chapter will elucidate the essential principles that must be understood to grasp Answer Key To Section Energy Flow in its entirety.

4. In chapter 3, the author will examine the practical applications of Answer Key To Section Energy Flow in daily life. The third chapter will showcase real-world examples of how Answer Key To Section Energy Flow can be effectively utilized in everyday scenarios.

5. In chapter 4, this book will scrutinize the relevance of Answer Key To Section Energy Flow in specific contexts. The fourth chapter will explore how Answer Key To Section Energy Flow is applied in specialized fields, such as education, business, and technology.

6. In chapter 5, this book will draw a conclusion about Answer Key To Section Energy Flow. The final chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Answer Key To Section Energy Flow.

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