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.
 - a. solar energy
 - b. carbohydrates

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

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

c. water.

b. carbon dioxide.

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

c. in the ecosystem

b. in the leaves

d. in the stems

Holt Environmental Active Nuclear Energy Answer Key

Michael Seilmaier

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Nuclear Energy, 1983 **Energy** ,1975 Nuclear Science Abstracts ,1976 Energy Research Abstracts, 1988 Accessions of Unlimited Distribution Reports ,1973-01-19 **Nuclear Power's Global Expansion** Henry D. The Sierra Club Green Guide Andrew J. Feldman, 1996 The Sierra Club Green Guide sets a new standard Sokolski,2010 for environmental reference works It provides all the guidance needed to skillfully locate authoritative information on any environmental topic This environmental desk reference features A wide range of sources including government clearinghouses trade and non profit organizations directories handbooks abstracts and indices periodicals and more 250 online sources of information including Internet sites electronic bulletin boards and commercial online services For those not yet online The Sierra Club Green Guide supplies an introduction to the information superhighway and a glossary of online terms In depth review of each information source as well as complete contact information including address phone number e mail and contact person Cross references comprehensive index and three appendices which provide contact information for federal information centers database vendors and publishers found throughout the book The Sierra Club Green Guide makes finding reliable up to date information easy Whether you re interested in wetlands preservation or a greener lifestyle it will help you answer any environmental question Radioactive Waste Management ,1992 **Forthcoming Books** Rose Arny,2003-04 **ERDA Energy Research Abstracts** United States. Energy Research and Development Administration.1977

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