

Name _____

Use with pages 84–89.

Lesson 2: How does energy flow in ecosystems?

Before You Read Lesson 2

Read each statement below. Place a check mark in the circle to indicate whether you agree or disagree with the statement.

- | | Agree | Disagree |
|--|-----------------------|-----------------------|
| 1. Only living parts of an ecosystem are affected by the energy from the Sun. | <input type="radio"/> | <input type="radio"/> |
| 2. In an ecosystem, insects help put minerals and nutrients back into the soil. | <input type="radio"/> | <input type="radio"/> |
| 3. Plants are the first link in any food chain. | <input type="radio"/> | <input type="radio"/> |
| 4. When the rain forests are cut down, it affects the food web of the ecosystem. | <input type="radio"/> | <input type="radio"/> |

After You Read Lesson 2

Reread each statement above. If the lesson supports your choice, place a check mark in the *Correct* circle. Then explain how the text supports your choice. If the lesson does not support your choice, place a check mark in the *Incorrect* circle. Then explain why your choice is wrong.

- | | Correct | Incorrect |
|----------|-----------------------|-----------------------|
| 1. _____ | <input type="radio"/> | <input type="radio"/> |
| _____ | | |
| 2. _____ | <input type="radio"/> | <input type="radio"/> |
| _____ | | |
| 3. _____ | <input type="radio"/> | <input type="radio"/> |
| _____ | | |
| 4. _____ | <input type="radio"/> | <input type="radio"/> |
| _____ | | |



Notes for Home: Your child has completed a pre/post inventory of key concepts in the lesson.

Home Activity: Have your child draw an illustration to help explain how a food chain works.

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Reviewing Terms: Matching

Match each description with the correct word. Write the letter on the line next to each description.

- | | |
|---|----------------|
| _____ 1. consumers that eat only plants | a. omnivores |
| _____ 2. consumers that eat only animals | b. herbivores |
| _____ 3. consumers that eat plants and animals | c. decomposers |
| _____ 4. consumers that digest waste and remains of dead plants and animals | d. carnivores |

Reviewing Concepts: Sentence Completion

Complete each sentence with the correct word or phrase.

- _____ 5. A(n) _____ might eat some of the same foods as a carnivore. (herbivore, omnivore)
- _____ 6. An animal with sharp claws and teeth is most likely a(n) _____. (herbivore, carnivore)
- _____ 7. In a food chain, energy flows in _____. (two directions, one direction)
- _____ 8. Food chains all start with energy from _____. (sunlight, consumers)

Applying Strategies: Sequence

9. The sentences below tell how decomposers affect ecosystems, but the sentences are out of order. Use the clue words to write the sentences in the correct order. (2 points)

Finally, animals eat the plants.

Next, minerals and nutrients are put back in the soil.

First, decomposers digest waste and the remains of dead organisms.

Then living plants use the materials.


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Lesson 2 Checkpoint

1. Describe three types of consumers.

2. Why are decomposers important in the food chain?

3.  **Sequence** Look at this food chain: grass → grasshopper → mouse → snake → hawk. Make a flow chart that shows how energy stored by grass is transferred to the hawk.

4. Name animals from the food web on page 89 of your textbook that are carnivores.

5. Why are fungi and bacteria important to energy transfer in an ecosystem?
