

Name _____

Use with pages 90–95.

Lesson 3: How does matter flow in ecosystems?

Before You Read Lesson 3

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

- | | Agree | Disagree |
|---|-----------------------|-----------------------|
| 1. About one-half of Earth's surface is covered with water. | <input type="radio"/> | <input type="radio"/> |
| 2. Organisms that carry out photosynthesis are producers. | <input type="radio"/> | <input type="radio"/> |
| 3. Organisms decay quicker when they receive a lot of sunlight. | <input type="radio"/> | <input type="radio"/> |
| 4. A coral reef is an example of an ecosystem. | <input type="radio"/> | <input type="radio"/> |

After You Read Lesson 3

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 compare how matter flows through an ecosystem with the way in which energy flows through an ecosystem.

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Reviewing Concepts: True or False

Write T (True) or F (False) on the line before each statement.

- _____ 1. The same animals live in freshwater and saltwater habitats.
- _____ 2. Algae are producers in water ecosystems.
- _____ 3. A food web shows how food chains are connected.
- _____ 4. Decay always happens at the same rate in ecosystems.
- _____ 5. Decay happens faster when there is more moisture.
- _____ 6. Fungi and bacteria are two kinds of decomposers.
- _____ 7. The process of decay releases carbon dioxide into the atmosphere.
- _____ 8. The colder the temperature, the faster decay happens.

Writing

Use complete sentences to answer question 9. (2 points)

9. Write a description of what would happen if there were no decomposers in an ecosystem.

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Lesson 3 Checkpoint

1. Describe some freshwater ecosystem.

2. The producer in the Okefenokee Swamp food web on pages 92–93 of your textbook is not a plant. Explain how this is possible.

3. Name some things that affect how fast an organism decays.

4. Explain why dead organisms decay more quickly in summer months than in winter months.

5.  **Sequence** Explain the sequence of events in which the food energy stored in algae is transferred to the osprey.