

# Food Web Complexity Review

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## Understanding Ecosystems and Energy Flow

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on what you've learned about food webs and ecosystems.

1. What is a food web?

- A. A simple chain of food sources
- B. A complex network of how organisms interact
- C. A type of plant

2. Why is it important for organisms to depend on each other in an ecosystem?

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3. Removing a key species can lead to \_\_\_\_ in the ecosystem.

4. Food webs only show the relationships between plants and animals.

- True       False

5. What happens when a predator is removed from its ecosystem?

- A. Other animals may overpopulate
- B. The food web remains unchanged
- C. Predators will return

6. What surprised you about your ecosystem's connections?

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7. God created everything and saw that it was \_\_\_\_ (Genesis 1:31).

8. Each organism in an ecosystem has a critical role in maintaining balance.

- True       False

9. What makes an ecosystem healthy?

- A. Diversity of species
- B. Lack of organisms
- C. High pollution levels

10. How might removing a predator affect other animals?

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Answer Key

1. A complex network of how organisms interact 2. Organisms depend on each other for food, shelter, and survival. This interdependence helps maintain balance in the ecosystem. 3. imbalance 4. False 5. Other animals may overpopulate 6. I was surprised to learn how many organisms are linked together and how each one plays a vital role. 7. very good 8. True 9. Diversity of species 10. Removing a predator can cause an increase in prey populations, which may lead to overgrazing and depletion of plant life.