



Name _____

Period _____

Date _____

SECTION 13.4 | FOOD CHAINS AND FOOD WEBS
Study Guide

KEY CONCEPT

Food chains and food webs model the flow of energy in an ecosystem.

VOCABULARY

| | |
|-------------|---------------|
| food chain | decomposer |
| herbivore | specialist |
| carnivore | generalist |
| omnivore | trophic level |
| detritivore | food web |

MAIN IDEA: A food chain is a model that shows a sequence of feeding relationships.

Complete the following sentence with the correct terms.

1. A food chain follows the connection between one _____ and a single chain of _____ within an _____.

Choose the correct term from the box below to fit each description.

| | | |
|-------------|------------------|--------------------|
| carnivore | herbivore | secondary consumer |
| decomposer | omnivore | tertiary consumer |
| detritivore | primary consumer | trophic levels |

2. I eat only plants. I am a(n) _____.
3. I eat only other animals. I am a(n) _____.
4. I eat both plants and animals. I am a(n) _____.
5. I eat dead organic matter. I am a(n) _____.
6. I break down organic matter into simpler compounds. I am a(n) _____.
7. I am the first consumer above the producer level. I am a(n) _____.
8. I am a carnivore that eats herbivores. I am a(n) _____.
9. I am a carnivore that eats other carnivores. I am a(n) _____.
10. The levels of nourishment in a food chain are called _____.

Section 13.4 STUDY GUIDE CONTINUED

MAIN IDEA: A food web shows a complex network of feeding relationships.

11. How is a food web different from a food chain?

12. What happens to energy at each link in a food web?

13. What type of organism provides the base of a food web?

Vocabulary Check

14. Use your knowledge of the words *special* and *general* to explain the diets of a specialist and a generalist.

15.

| Word Part | Meaning |
|-----------|------------|
| herba | vegetation |
| carnus | flesh |
| omnis | all |

Use the word origins to explain the diets of each of the following consumers: herbivores, carnivores, and omnivores.
