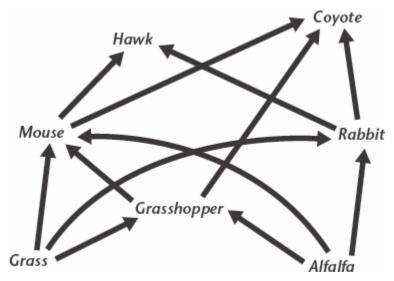
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### **Review and Reinforce**

# **Energy Flow in Ecosystems**

#### **Understanding Main Ideas**

Answer the following questions on a separate sheet of paper.



- 1. Which organism in the food web above is sometimes a first-level consumer and sometimes a second-level consumer? Explain.
- **2.** Choose one food chain in the web. Name all the organisms in that chain. Start with the producer and end with the top-level consumer.
- **3.** Draw an energy pyramid for the food chain you chose. Label the pyramid to tell how much food energy is available at each level.

#### **Building Vocabulary**

Write the term that fits each definition below.

- 4. Organisms that make their own food \_\_\_\_\_\_
- **5.** Organisms that obtain energy by feeding on other organisms \_\_\_\_\_
- **6.** Organisms that break down wastes and dead organisms and return the raw materials to the environment
- 7. Consumers that eat only animals \_\_\_\_\_
- 8. Consumers that eat only plants \_\_\_\_\_
- 9. Consumers that eat both plants and animals \_\_\_\_\_
- 10. Consumers that feed on the bodies of dead organisms \_\_\_\_\_

Name	Date	Class

## Enrich

# **Energy Flow in Ecosystems**

The open ocean, like all land ecosystems, has many food webs. The chart below provides a list of animals in a typical South Atlantic food web and their sources of food energy. Study the table and answer the questions that follow.

#### **Food Webs in the Ocean**

Organisms	Obtain food energy from
Squid	shrimp, fish
Algae	make their own food by photosynthesis
Fishes	shrimp
Penguins	squid

1.	Which organisms are the producers?
2.	Which organism is a first-level consumer?
3.	What makes the squid's role different from that of other consumers listed in the table?

**4.** In the space below, draw the ocean food web. Label each organism to identify its energy role in the ecosystem.