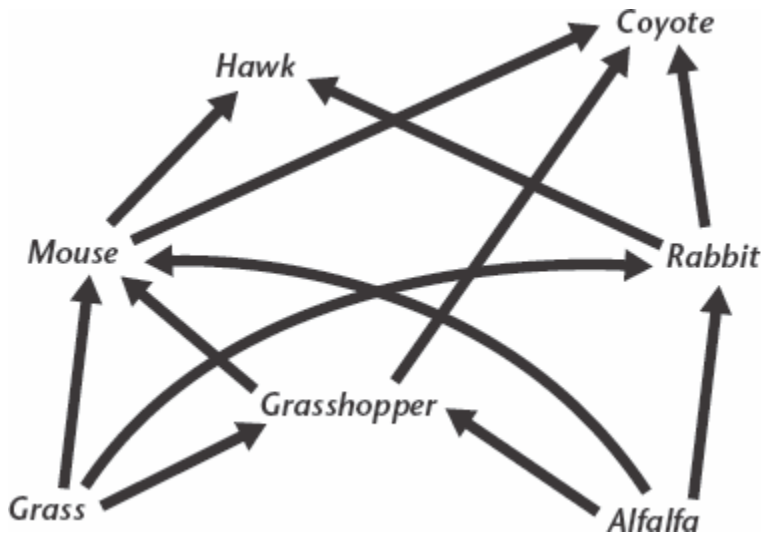


Review and Reinforce

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 _____

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.