

Name:

FOOD NETWORK

In "Mapping Mangroves" (p. 20), you read about the importance of coastal mangrove forests. The diagram in the article (also shown below) shows a model of the food web that is supported by this ecosystem. Study the diagram, and then answer the questions that follow.

MANGROVE FOOD WEB

Many species live in and around mangroves. Together, these organisms make up a complex food web in which organisms feed on plants and predators seek out prey.



ANALYZE IT

1. How is the flow of energy from one organism to another represented in the diagram?

4. Describe an example of a *food chain*—one sequence or path through which nutrients flow in a food web—in the diagram.

2. How do plants provide energy to the mangrove food web?

5. How would the disappearance of mangrove trees affect populations of predators like large fish? Support your answer with evidence from the diagram.

3. *Consumers* are organisms that get energy from eating other organisms. Name two types of consumers in the mangrove food web.

EYEWASH (DIAGRAM)