

Chapter 35 Ecosystems

Section Review 35-1

Ecology and Ecosystems

Part A: Study the list of biotic and abiotic parts of a forest ecosystem. In the spaces provided, classify each part as either biotic or abiotic. Then circle the parts of a forest ecosystem that also belong to a forest community.

- | | |
|-------------------|-------------------|
| _____ 1. rocks | _____ 7. squirrel |
| _____ 2. bees | _____ 8. birds |
| _____ 3. grass | _____ 9. water |
| _____ 4. sunlight | _____ 10. air |
| _____ 5. fish | _____ 11. trees |
| _____ 6. soil | _____ 12. flowers |

Part B: Name 7 biotic parts and 3 abiotic parts of the oxygen/carbon dioxide cycle in the space provided. Choose your answers from Part A.

1. Biotic Parts: _____

2. Abiotic Parts: _____

Part C: Study Table 1. Classify each description as a habitat or niche by checking the correct column.

Table 1 Habitat and Niche

Descriptions	Habitat	Niche
1. Eaten by fish		
2. Under rocks		
3. Hole in a tree		
4. Eat mice		
5. Nest on a tree branch		
6. Eat seeds and fruit		

Chapter 35 Ecosystems

Section Review 35-2

Energy and the Environment

Part A: Complete Table 1 by classifying each of the organisms as a producer, consumer, or decomposer. Use fungi, green plants, mice, algae, bears, fish, humans, and bacteria.

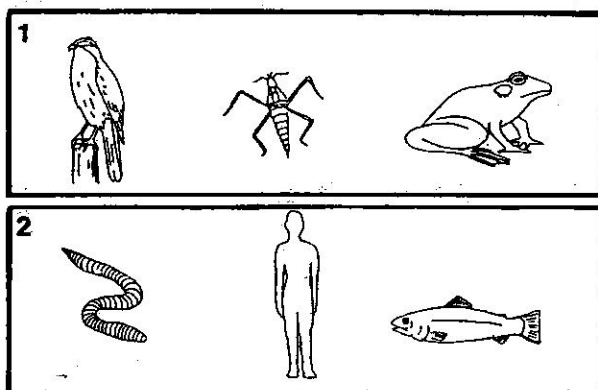
Table 1 Producers, Consumers, and Decomposers

1. Producers	2. Consumers	3. Decomposers

Part B: Write in the correct term in the spaces provided. Choose from energy pyramid, food web, consumer, decomposer, sunlight, food chain, and producer.

- A _____ makes its own food.
- A _____ eats other organisms.
- A _____ feeds on dead organisms.
- Sun → green plants → mouse → bear shows an individual _____.
- _____ supplies energy for food chains.
- Algae, fish, people, and berries, mouse, bear, are two food chains that combine to form a _____.
- An _____ is a model that shows that less energy is available at each level of a food chain.

Part C: Study the organisms in each box. In the spaces provided, write the name of the correct consumer.



1. C₁ _____

C₂ _____

C₃ _____
2. C₁ _____

C₂ _____

C₃ _____

Chapter 35 Ecosystems**Section Review 35-3****Relationships in an Ecosystem**

Part A: Read the sentences. Classify each sentence by writing its letter in the correct column in Table 1.

- a. One organism kills and eats the other.
- b. Organisms that weaken or kill their hosts.
- c. Bees pollinate flowers.
- d. Orchids attach themselves and grow on trees.
- e. Diseased or less fit members of a herd are removed.
- f. Both organisms will benefit.
- g. One organism lives on or in another organism.
- h. Wolves feed on caribou.
- i. One organism benefits and the other is not affected.
- j. Ticks and fleas feed on the blood of a pet dog.

Table 1 Relationships in an Ecosystem

1. Mutualism	2. Commensalism	3. Predation	4. Parasitism

Part B: Answer the questions in the space provided.

- 1. Which relationships make survival of both organisms easier? _____

- 2. In which relationship does one kind of organism feed on another? _____

- 3. What is competition? _____

- 4. Why are there so many cockroaches in large cities? _____
