

## Brainpop—Food Chains

Name:

Period:

Watch the Brainpop on food chains, then answer the questions below.

- \_\_\_\_\_ 1. How are the living creatures in an ecosystem linked?
- a. by what they eat
  - b. by how they breathe
  - c. by their size
  - d. by their species
- \_\_\_\_\_ 2. What can you infer from the fact that the disappearance of just one species can disrupt an entire food chain?
- a. every food chain depends entirely on a single species
  - b. food chains are extremely fragile
  - c. food chains can regenerate on their own
  - d. food chains would not exist without humans
- \_\_\_\_\_ 3. How is a food web different from a food chain?
- a. food webs contain only producers, not consumers
  - b. food webs do not contain decomposers
  - c. food webs contain many different, linked food chains
  - d. Food webs exist in aquatic environments; food chains exist in terrestrial environments
- \_\_\_\_\_ 4. Which of the following is a producer?
- a. a bear
  - b. a person
  - c. a mushroom
  - d. a tree
- \_\_\_\_\_ 5. Through what process do producers make their own food?
- a. respiration
  - b. photosynthesis
  - c. duplication
  - d. mitosis
- \_\_\_\_\_ 6. What role do you play in the food web?
- a. producer
  - b. consumer
  - c. decomposer
  - d. observer
- \_\_\_\_\_ 7. How might a lack of sunlight disrupt the food web?
- a. It would cause consumers to consume less
  - b. It would prevent decomposers from decomposing matter
  - c. It would prevent producers from producing nutrients
  - d. It would not disturb the food web at all
- \_\_\_\_\_ 8. How are primary consumers different from secondary consumers?
- a. Primary consumers eat only plants; secondary consumers eat other consumers
  - b. Primary consumers eat other consumers; secondary consumers eat only plants
  - c. Primary consumers eat plants and other consumers; secondary consumers eat plants and decompose matter
  - d. Primary consumers eat plants and decompose matter; secondary consumers eat plants and other consumers
- \_\_\_\_\_ 9. A mushroom is most likely ...
- a. a primary consumer
  - b. a secondary consumer
  - c. a decomposer
  - d. a producer
- \_\_\_\_\_ 10. Sheep are herbivorous. What can you infer from this?
- a. They are primary consumer
  - b. They are producers
  - c. They are secondary consumers
  - d. They are decomposers



Look at the image to the left from the cartoon. What do the arrows show? Give an example with your answer.

Work: 10 points, Assessment: 5 points

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## Categorize the Organisms

There are three major elements that make up a food web: producers, consumers, and decomposers. Categorize the following organisms as either producers (P), consumers (C), or decomposers (D).

\_\_\_\_\_ fungi

\_\_\_\_\_ oak trees

\_\_\_\_\_ bear

\_\_\_\_\_ dog

\_\_\_\_\_ palm tree

\_\_\_\_\_ bacteria

\_\_\_\_\_ grasshopper

\_\_\_\_\_ bamboo

\_\_\_\_\_ ferns

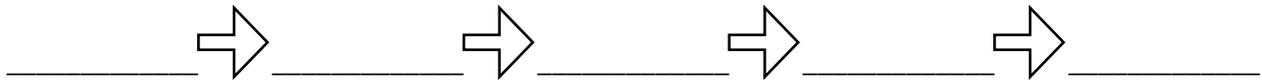
\_\_\_\_\_ praying mantis

## Complete the Chain

Make a food chain using the following organisms:

grasshopper snake grass frog hawk

The direction of the arrows should show the flow of energy from one organism to the next.



In the above food chain, what are two things that might happen if all of the frogs suddenly died off?

frog death impact #1—

frog death impact #2—