

# Worksheet: Food Webs

In this worksheet, we will practice interpreting the interdependent relationships of organisms in ecosystems using food webs.

**Q1:** Each link of the food chain is named according to what the organism eats and how it contributes to the energy of the ecosystem.

Fill in the blank: Plants are \_\_\_\_\_. They produce energy for the ecosystem through the process known as photosynthesis.

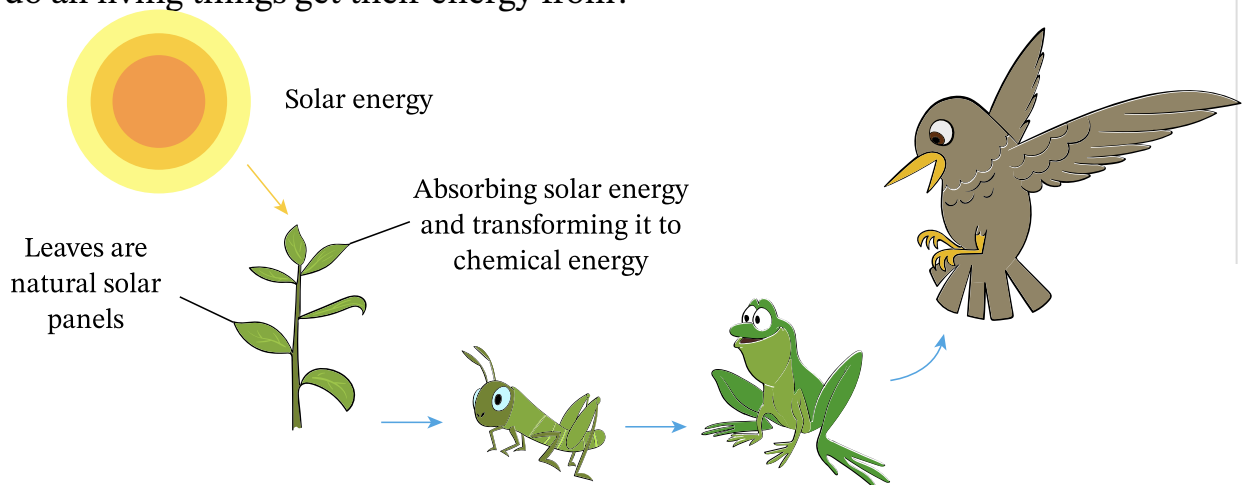
- A producers
- B decomposers
- C consumers

**Q2:** Fill in the blank: Animals are \_\_\_\_\_. They do not produce energy; they use it.

- A decomposers
- B consumers
- C producers

**Q3:** Look carefully at the food web shown. Plants are called **producers** as they produce the food which starts all food chains.

Where do all living things get their energy from?



- A The Sun
- B Plants
- C Insects
- D Birds

**Q4:** What is the source of all energy in a food chain?

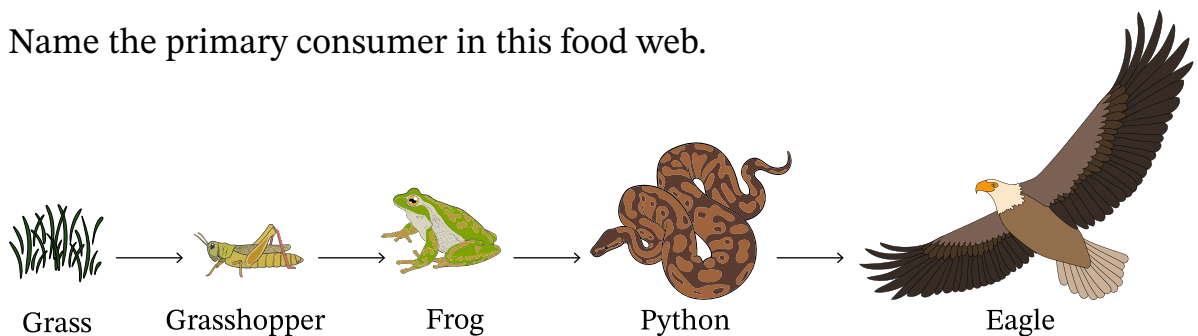
- A The producer
- B The consumer
- C The predator
- D The sun

**Q5:** Fill in the blank: Animals that eat plants are called primary consumers. These animals can also be classified as \_\_\_\_\_.



- A decomposers
- B herbivores
- C carnivores

**Q6:** Name the primary consumer in this food web.

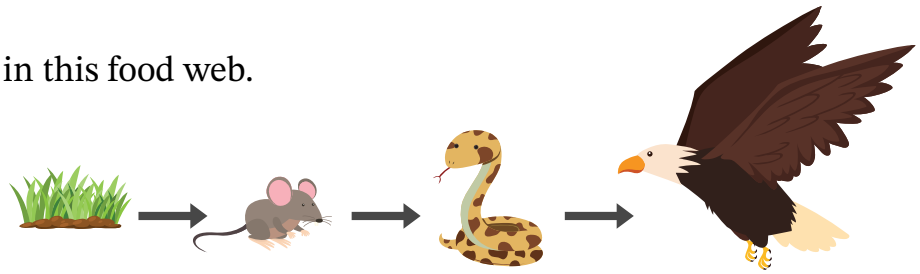


A five-link food chain

- A The eagle
- B The grasshopper
- C The frog
- D The python

**Q7:** Name the producer in this food web.

- A The mouse
- B The snake
- C The eagle
- D The plant



**Q8:** Fungi do not produce their own food. They consume dead plants and animals. How would they be classified in an ecosystem?

- A Consumers
- B Decomposers
- C Producers



**Q9:** Worms are decomposers. What role do decomposers play in ecosystems?

- A Decomposers produce food using energy from the Sun.
- B Decomposers consume living animals.
- C Decomposers help put nutrients back into the soil.



**Q10:** Fill in the blank: Animals that eat other animals are called secondary consumers or \_\_\_\_\_.

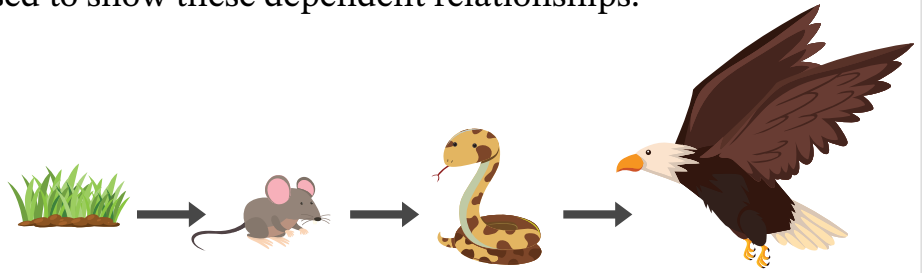
- A herbivores
- B decomposers
- C carnivores



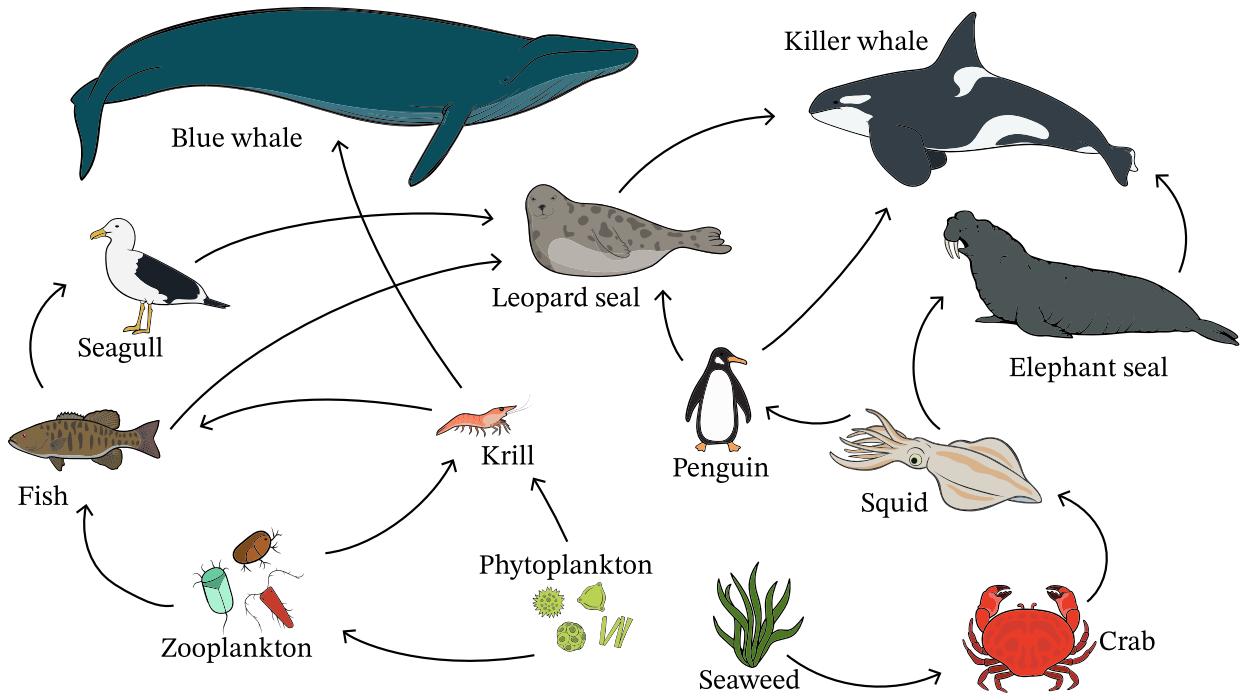
**Q11:** Organisms in an ecosystem depend on each other for survival. Diagrams called food webs (or chains) are used to show these dependent relationships.

How do food chains begin?

- A With an animal
- B With a plant

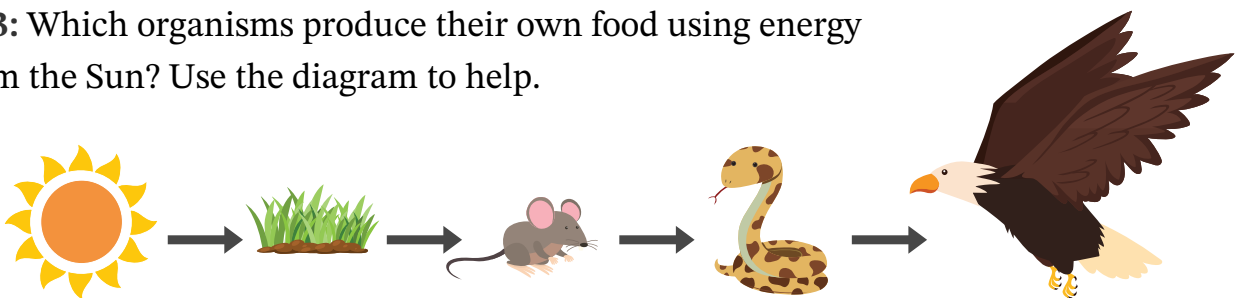


**Q12:** Name the two producers in the food web shown.



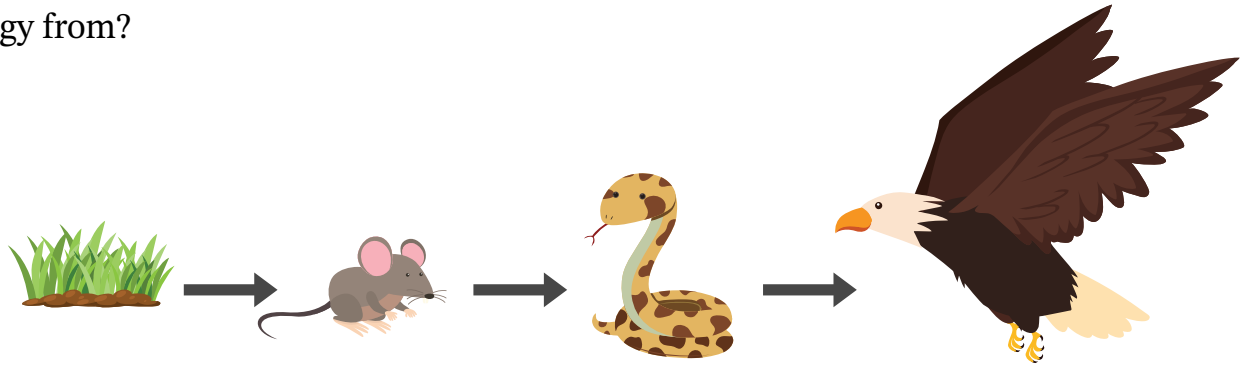
- A Zooplankton and phytoplankton
- B Fish and crab
- C Phytoplankton and seaweed
- D Blue whale and leopard seal

**Q13:** Which organisms produce their own food using energy from the Sun? Use the diagram to help.



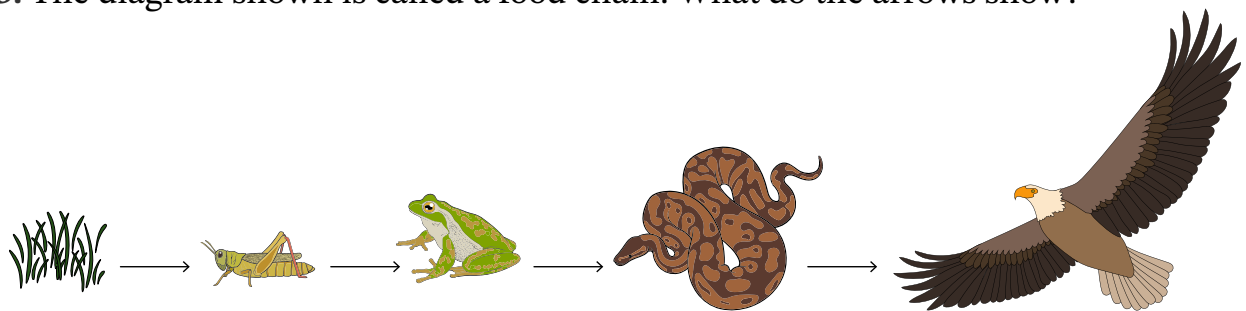
- A Eagles
- B Snakes
- C Mice
- D Plants

**Q14:** Plants use energy from the sun to produce food. Where does the mouse get its energy from?



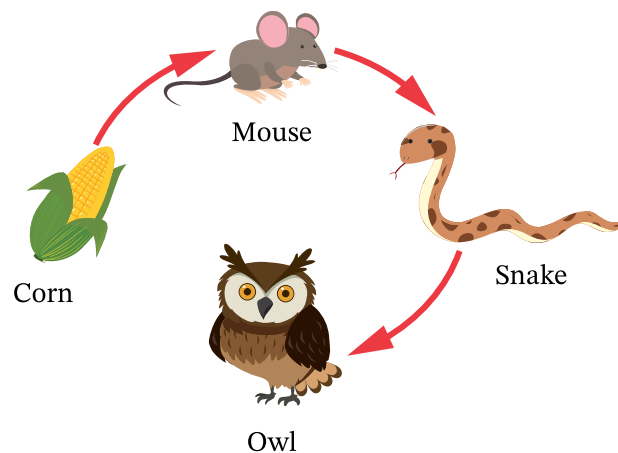
- A The snake     B The Sun     C The eagle     D The plant

**Q15:** The diagram shown is called a food chain. What do the arrows show?



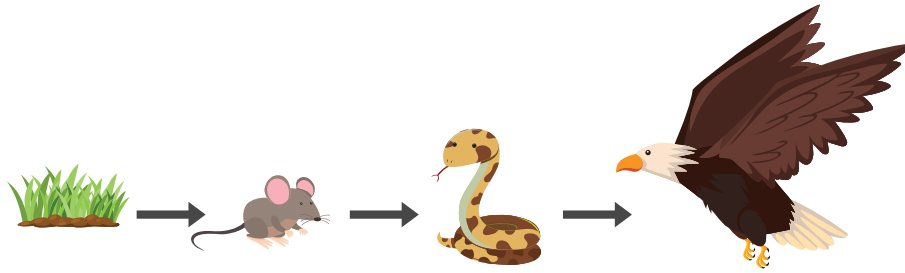
- A The direction in which the organisms move  
 B The path that energy and nutrients follow  
 C The size of the organisms from smallest to largest  
 D The order in which the predators are eaten

**Q16:** Where does the snake shown in the diagram get its energy from?



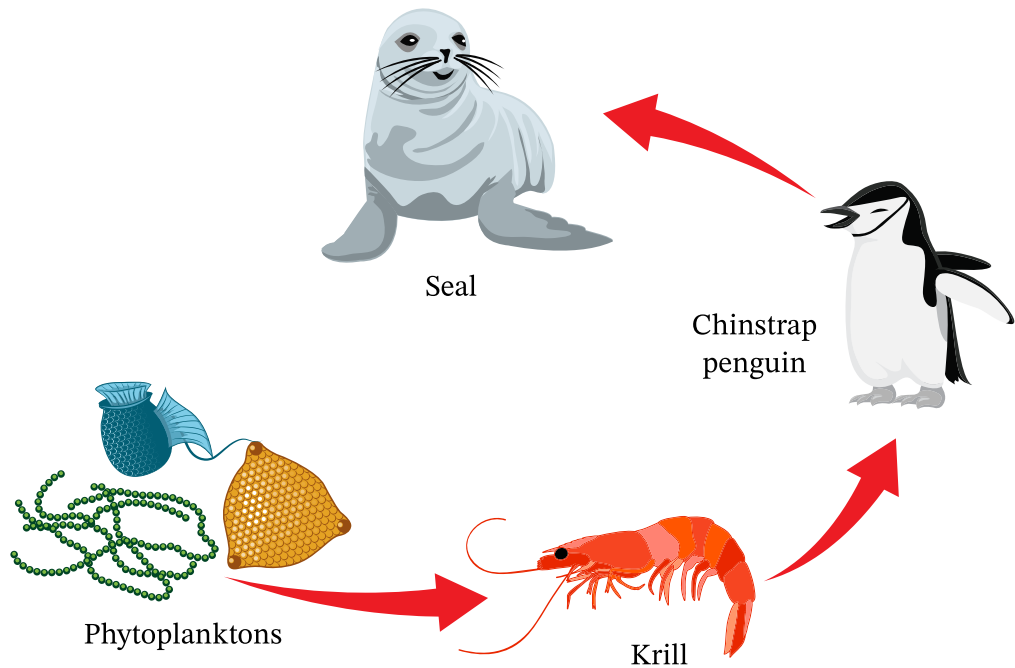
- A The tree  
 B The owl  
 C The corn  
 D The mouse

**Q17:** How is the energy stored in the plant passed on to the eagle?



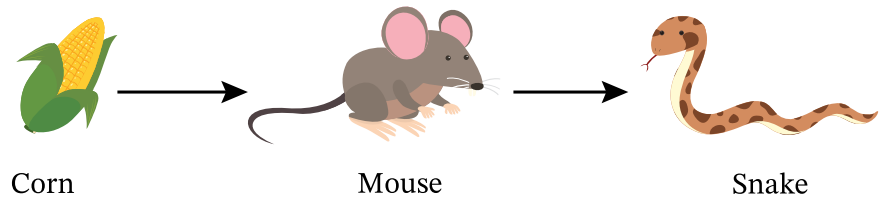
- A The mouse eats the plant, and the eagle eats the mouse.
- B The eagle eats the plant.
- C The eagle eats the snake, the snake eats the mouse, and the mouse eats the plant.
- D The eagle eats the snake, the mouse, and the plant.

**Q18:** Where is the energy from the sun stored in this food chain?



- A In the sugars produced by the seal
- B In the sugars produced by the penguin
- C In the sugars produced by the krill
- D In the sugars produced by the phytoplanktons

**Q19:** Predators are animals that eat other animals in a food chain. Prey are animals that are eaten by other animals. Look at the picture shown.



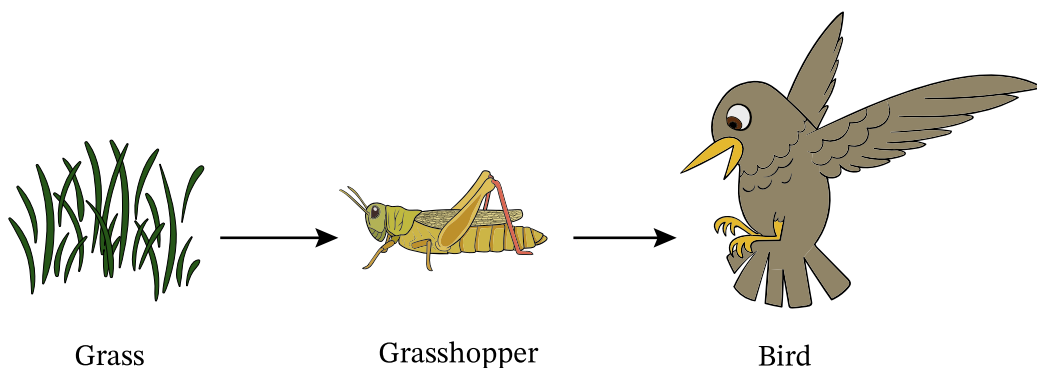
▶ Which is the predator in this food chain?

- A The mouse
- B The snake
- C The corn

▶ Which is the prey in this food chain?

- A The snake
- B The mouse
- C The corn

**Q20:** Producers are organisms that make their own food. Which organism is the producer in this food chain?



- A The bird
- B The grass
- C The grasshopper