

Year 4 Science Assessment: Amazing Food Chains

Learning objective: To identify and describe the roles of producers, predators, and prey in a food chain.

Read each question carefully. Use the word bank to help you spell tricky words. Write your answers on the lines provided.

All living things need energy to grow. Plants get their energy from the Sun. Animals get their energy by eating plants or other animals. A food chain shows how this energy moves.

Word bank: Producer · Consumer · Predator · Prey · Energy · Sun · Plant · Animal

1. 1. What is the main source of energy for almost all food chains? (1 mark)

2. 2. Look at this food chain: Grass -> Rabbit -> Fox. Which animal is the predator? (2 marks)

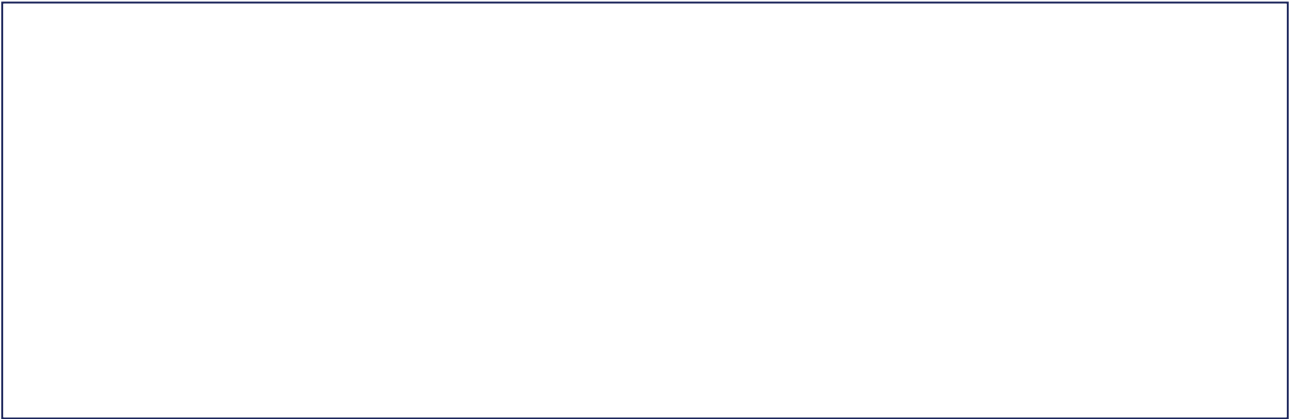
3. 3. In the food chain above, why is the grass called a 'producer'? (2 marks)

4. 4. Complete this food chain using these animals: Owl, Mouse, Seeds. (Start with the plant). (3 marks)

5. 5. Nova the owl says: 'If all the mice disappeared, what would happen to the owls?' Write two sentences to explain why. (4 marks)

6. 6. Imagine a garden. Write a short story about a food chain you might find there. Include a producer, a consumer, and explain how they get their energy. (5 marks)

Draw: Draw a simple food chain using: A sunflower, a caterpillar, and a small bird. Use arrows to show the direction the energy moves.



Extension challenge: Total: /25. Challenge: What would happen to the food chain if the sun stopped shining? Write your ideas on the back of this paper.