

Bea's Garden Food Chain Challenge

Learning objective: To identify and construct simple food chains, understanding the roles of producers, herbivores, and carnivores.

Bea the honeybee has been busy observing her garden! Look at the list of living things in the word bank. Your task is to sequence them into three correct food chains. Remember, a food chain always starts with a producer (a plant) that gets its energy from the sun. Draw arrows between the living things to show the flow of energy. The arrow means 'is eaten by'.

Word bank: Sun · Grass · Rabbit · Fox · Oak leaf · Caterpillar · Blue Tit · Sparrowhawk · Dandelion · Aphid · Ladybird

1. 1. Sequence the first food chain using: Sun, Grass, Rabbit, Fox. (2 marks)

2. 2. Sequence the second food chain using: Sun, Oak leaf, Caterpillar, Blue Tit, Sparrowhawk. (3 marks)

3. 3. Sequence the third food chain using: Sun, Dandelion, Aphid, Ladybird. (2 marks)

4. 4. In these food chains, which living things are the 'producers'? (2 marks)

5. 5. What would happen to the Rabbit if all the Grass in the garden disappeared? Explain your reasoning. (3 marks)

Draw: Draw your favourite food chain from the activity above. Include the sun at the start and draw arrows to show the energy moving from the plant to the final predator.

Extension challenge: Imagine a new creature enters the garden. If a frog moves in, where would it fit in the Dandelion food chain? Write a sentence explaining if it is a predator or prey.