

Bea's Meadow Food Chain Challenge

Learning objective: Construct and interpret food chains, identifying producers, herbivores, carnivores, and omnivores.

Bea the honeybee is busy mapping out who eats what in the meadow. Look at the word bank of meadow creatures and plants. Your task is to sequence them into three correct food chains. Remember: every food chain must start with a producer (a plant) and show the flow of energy using arrows (e.g., grass → rabbit → fox).

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

1. 1. Create a food chain starting with Grass. Include three more organisms from the word bank. (2 marks)

2. 2. Create a food chain starting with Dandelion. Include three more organisms from the word bank. (2 marks)

3. 3. Create a food chain starting with Oak Tree. Include three more organisms from the word bank. (2 marks)

4. 4. In your first food chain, which organism is the producer and which is the predator? (2 marks)

5. 5. What do you think would happen to the population of Blue Tits if all the Ladybirds disappeared? Explain your reasoning. (3 marks)

Draw: Draw your favourite food chain from the activity above. Add arrows between the creatures to show the direction the energy travels, and draw a small picture of Bea the honeybee watching the scene!



Extension challenge: Research a food chain that includes a human. Where do humans fit in? Are they producers, herbivores, carnivores, or omnivores? Write a short explanation for Max the monkey to help him understand.