

Bea's Brilliant Food Chain Explorer

Learning objective: To construct and interpret food chains, identifying producers, predators, and prey within a habitat.

Join Bea the honeybee to map out a food chain! A food chain shows how energy moves from plants to animals. Use the word bank to help you complete each section. Remember: the arrows should always point towards the animal that is doing the eating (e.g., Plant → Herbivore).

Word bank: Producer · Consumer · Predator · Prey · Energy · Habitat · Herbivore · Carnivore

1. The Producer: Identify a plant from your chosen habitat that starts the food chain. Explain why it is called a 'producer'. (2 marks)

2. The Herbivore: Name an animal that eats the producer. Is this animal a primary consumer? Why? (2 marks)

3. The Predator: Name a carnivore that eats the herbivore. Why is this animal described as a predator? (2 marks)

4. The Food Chain Sequence: Write your food chain using arrows to show the direction of energy flow. (3 marks)

5. The Impact: What might happen to the predator if the producer in this food chain disappeared from the habitat? (3 marks)

Extension challenge: Choose a different habitat (like a pond or a forest) and draw a more complex food web that includes at least two different producers and three different consumers.