

Y4 Food Chains

KS2 Y4 Science · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Make a food chain from: fox, grass, rabbit.

Step 1 · Find the producer (the plant)

Grass

Step 2 · What eats grass?

Rabbit

Step 3 · What eats rabbits?

Fox

Answer: Grass → rabbit → fox

Check: Food chains almost always start with a green plant.

2. Now try one with the steps

Which way do the arrows point, and why?

Step 1 · Read 'grass → rabbit' aloud

Step 2 · Where does the food (energy) go?

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What does a food chain show?

2. What is a producer?

3. What is a predator?

4. What is prey?

5. What does the arrow in a food chain mean?

6. What does almost every food chain start with?

7. Put in order to make a food chain: blue tit, oak leaves, caterpillar.

8. In 'cabbage → slug → hedgehog', which is the producer?

9. In 'cabbage → slug → hedgehog', which is the predator?

10. How many living things are in this chain: algae → water flea → stickleback → heron?

11. In 'algae → water flea → stickleback → heron', which animal is BOTH a predator and prey?

12. Where does the energy at the start of a food chain come from?

13. In 'grass → rabbit → fox', what might happen to the number of foxes if lots of rabbits died?

14. Zara wrote 'fox → rabbit → grass'. What has she done wrong?

4. Before you hand it in

Drawing the arrow towards the food: fox → rabbit.

Arrow means 'is eaten by': rabbit → fox.

Starting a food chain with an animal.

Start with a producer — a green plant.

An animal is either a predator or prey, never both.

Animals in the middle of a chain are both predator and prey.

The top predator doesn't need the plants.

Every animal in the chain depends on the producer.