Interdependence

Ecosystems 3.9.1 | Part 1, usually Year 7 | 20 quick questions

KS3 science quick questions

Answer online, marked instantly

Activate 2: Ecosystems and adaptation | Exploring Science 7D

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 Each arrow in a food chain shows energy moving from one living thing to the next. Does the arrow point towards the eater or towards the food?

2 A plant makes its own food using light. What is the name for its role in a food chain?

3 An animal that gets its energy by eating other living things is called what?

4 In the chain lettuce → snail → thrush → hawk, which animal is the primary consumer?

5 In the chain lettuce → snail → thrush → hawk, which animal is the secondary consumer?

6 The hawk at the end of the chain has no predators. What is it called? Answer in two words.

7 What is the name for several food chains in one habitat linked together?

8 What word describes an animal that eats only plants?

9 A fox hunts and eats rabbits. Is the fox the predator or the prey?

10 Disease kills most of the foxes in a wood. What happens to the number of rabbits at first? Answer in one word.

11 What is the word for all the living things in an area together with their non-living surroundings?

12 What is the word for the place where an organism lives?

13 Bees carry pollen between flowers. What is this process called?

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14 What is the word for how living things in an ecosystem depend on each other for food, shelter and pollination?

15 Fungi and bacteria break down dead leaves and return nutrients to the soil. What are they called?

Year 9 stretch

16 Foxes in a wood are wiped out by disease. After the rabbit numbers rise, the rabbits eat almost all the grass. What happens to the rabbit numbers next?

17 A poisonous chemical builds up more and more in each animal along a food chain. What is this called?

18 A pesticide washes into a river. In the chain algae → water flea → small fish → heron, which animal ends up with the highest amount of pesticide in its body?

19 Bees are dying out in an area with lots of apple orchards. Explain what might happen to the apple harvest.

20 Only about 10% of energy passes from one stage of a food chain to the next. Grass captures 5000 kJ. How much reaches the rabbits that eat it? Give your answer in kJ.

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