Ecology

Biology Paper 2 | 30 quick questions

GCSE science knowledge recall

Answer online, marked instantly

Name: _____ **Date:** _____ **Score:** _____ **/ 30**

1 What is the name for the interaction of a community of living organisms with the non-living parts of their environment?

2 What is the name for all the populations of different species living in one habitat?

3 Name one thing that plants compete with each other for.

4 What word describes how species in a community depend on each other for things like food, shelter and pollination?

5 Is light intensity a biotic or an abiotic factor?

6 Thick fur on an Arctic fox is which type of adaptation: structural, behavioural or functional?

7 What name is given to organisms that live in very extreme conditions, such as near volcanic vents or in very salty water?

8 Producers make glucose for the food chain using which process?

9 What name is given to the animals that eat producers?

10 In a predator-prey cycle, does the predator or the prey population peak first?

11 What is the square frame used to sample the number of plants in an area called?

12 What is the name for a line across a habitat along which samples are taken, to see how a species' distribution changes?

13 In the carbon cycle, which process in living organisms releases carbon dioxide back into the air?

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14 Which organisms break down dead plants and animals, returning mineral ions to the soil? Give the general name.

15 In the water cycle, water vapour cools and forms clouds. What is this change called?

16 Up to the optimum, what happens to the rate of decay when the temperature increases?

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17 Biogas is made by anaerobic decay. Which gas makes up most of it?

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18 What is the name for the variety of all the different species of organisms in an ecosystem?

19 Name one acidic gas, released by burning fuels, that causes acid rain.

20 Destroying peat bogs to make compost releases which gas into the air?

21 Tropical forests are cleared to provide land for cattle, rice fields and crops grown for which kind of fuel?

22 Carbon dioxide is one gas causing global warming. Name the other main one, released by cattle and rice fields.

23 Give one biological consequence of global warming.

24 What are programmes that breed endangered species in zoos to boost their numbers called?

25 What is the name for each feeding level in a food chain?

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26 What is a diagram drawn to scale, showing the mass of living material at each feeding level, called?

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27 Roughly what percentage of the biomass at one feeding level is passed on to the next?

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28 Give one reason why not all the biomass eaten by an animal becomes part of its body.

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29 What is the name for having enough food to feed a population?

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30 Mycoprotein, a meat substitute, is made by growing which fungus?

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