ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 7 · 10 QUESTIONS

Ecology — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button so it can be fixed.

1 **A river is polluted by fertiliser. What grows too fast in the water?**

- A fish
- B algae
- C reeds
- D trees

Understand It with Pulse | Flag a mistake

2 **A honeybee collects nectar. What is nectar?**

- A a fatty substance
- B a sugary liquid
- C a mineral solution
- D a protein-rich food

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3 **Seabirds on a rocky island eat fish. If the fish population falls, what happens to the seabirds?**

- A they eat more fish
- B their numbers rise
- C they move to the sea
- D their numbers fall

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4 **What is the water cycle driven by?**

- A gravity only
- B energy from the soil
- C energy from the Sun
- D wind only

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5 **Rabbits in a population show different fur colours. What is this called?**

A evolution

B variation

C selection

D mutation

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6 **A field has 2000 kg of grass. If 5 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

A 50 kg

B 1000 kg

C 100 kg

D 200 kg

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7 **A quadrat of area 20 square metres contains on average 8 daisies. Estimate the number of daisies in a field of 200 square metres.**

A 160

B 80

C 800

D 40

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8 **In a food chain, where does the energy come from?**

A the decomposers

B the soil

C the consumers

D the Sun

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9 **A field has 10000 kg of grass. If 5 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

- A 500 kg
- B 5000 kg
- C 1000 kg
- D 250 kg

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10 **A quadrat of area 20 square metres contains on average 6 daisies. Estimate the number of daisies in a field of 200 square metres.**

- A 120
- B 600
- C 60
- D 30

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ANSWER KEY

1. B
2. B
3. D
4. C
5. B
6. C
7. B
8. D
9. A
10. C

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