ENGLAND GCSE BIOLOGY AQA FOUNDATION · 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 honeybee visits a flower to collect nectar. What does it carry between flowers?**

- A leaves
- B seeds
- C pollen
- D water

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2 **Fishing boats use diesel. What is diesel made from?**

- A crude oil
- B coal, mined from the ground
- C water, from the sea
- D wood, cut from trees

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3 **A forest absorbs carbon dioxide. Which process does this?**

- A decomposition in the soil
- B combustion of the wood
- C photosynthesis
- D respiration in the trees

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

- A evolution
- B selection
- C mutation
- D variation

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5 **Producers in a food chain have a biomass of 10000 kg. About 10 per cent of biomass passes to the next level. What is the biomass of the primary consumers?**

- A 2000
- B 100
- C 10000
- D 1000

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6 **Seabirds are affected by plastic pollution. How does plastic harm them?**

- A it makes them stronger and healthier
- B it keeps them warm
- C they eat it by mistake
- D it helps them fly

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7 **A quadrat of area 50 square metres contains on average 8 daisies. Estimate the number of daisies in a field of 500 square metres.**

- A 800
- B 160
- C 80
- D 40

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8 **Why repeat a quadrat sample and take a mean?**

- A to practise using the quadrat
- B to find more species
- C for a reliable result
- D to use up the time available

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9 **Why is decay important in an ecosystem?**

A it makes the soil warmer

B it stops plants growing

C it removes carbon dioxide

D it recycles nutrients

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10 **A field has 1000 kg of grass. If 10 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

A 100 kg

B 200 kg

C 1000 kg

D 50 kg

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ANSWER KEY

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

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