ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY 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 is an insect. How many legs does it have?**

- A 6
- B 4
- C 8
- D 10

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2 **Fishing boats float on water. Why do they float?**

- A they are made of metal, which floats
- B they are heavy and sink slowly
- C they displace enough water
- D they have sails that catch the wind

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3 **A forest provides a habitat. What does habitat mean?**

- A when an organism sleeps
- B what an organism eats
- C where an organism lives
- D how an organism breeds

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4 **A field has 1000 kg of grass. If 5 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

- A 500 kg
- B 25 kg
- C 50 kg
- D 100 kg

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

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

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6 **A field has 10000 kg of grass. If 10 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

- A 1000 kg
- B 10000 kg
- C 500 kg
- D 2000 kg

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7 **A quadrat of area 50 square metres contains on average 5 daisies. Estimate the number of daisies in a field of 500 square metres.**

- A 25
- B 500
- C 50
- D 100

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8 **What is a producer?**

- A an organism that breaks down dead matter
- B an organism that eats plants
- C an organism that eats animals
- D an organism that makes its own food

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9 **A river flows to the sea. What is this part of?**

- A the rock cycle
- B the carbon cycle
- C the nitrogen cycle
- D the water cycle

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10 **Seabirds eat fish. What trophic level are the seabirds?**

- A decomposers, breaking down dead matter
- B secondary consumers
- C primary consumers, eating producers
- D producers, making their own food

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ANSWER KEY

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

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