ENGLAND GCSE BIOLOGY EDEXCEL HIGHER · UNIT 9 · 10 QUESTIONS

Ecosystems and Material Cycles — 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 forest is cut down. What happens to the carbon stored in the trees?**

- A it turns to oxygen
- B it is stored forever
- C it disappears
- D it is released

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2 **Rabbits breed quickly. What does this mean for the population?**

A it always stays small

B it can grow fast

C it always falls

D it never changes

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3 **Producers in a food chain hold 10000 kJ of energy. About 10 percent passes to the primary consumers. How much energy reaches them?**

A 10000 kJ

B 2000 kJ

C 1000 kJ

D 500 kJ

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

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

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

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

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6 **A field has 5000 kg of grass. If 10 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

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

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7 **A quadrat of area 10 square metres contains on average 5 daisies. Estimate the number of daisies in a field of 100 square metres.**

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

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

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

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9 **How does reducing food waste help food security?**

- A less food is wasted
- B fish stocks recover
- C more land is farmed
- D crops grow faster

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

A they are made of metal, which floats

B they displace enough water

C they have sails that catch the wind

D they are heavy and sink slowly

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ANSWER KEY

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

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