ENGLAND GCSE BIOLOGY EDEXCEL FOUNDATION · 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 river flows to the sea. What is this part of?**

A the rock cycle

B the water cycle

C the nitrogen cycle

D the carbon cycle

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

A it makes them stronger and healthier

B they eat it by mistake

C it helps them fly

D it keeps them warm

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3 **Producers in a food chain have a biomass of 2000 kg. About 10 per cent of biomass passes to the next level. What is the biomass of the primary consumers?**

A 400

B 20

C 200

D 2000

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4 **How does deforestation affect the atmosphere?**

A more carbon dioxide is absorbed

B less carbon dioxide is absorbed

C the air gets cleaner

D more oxygen is made

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5 **Fishing boats catch fish. What trophic level are the fish?**

A producers

B consumers

C plants

D decomposers

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6 **Why are quadrats placed at random?**

A to save time in the field

B to cover the whole area

C to avoid bias

D to find the rarest plants

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7 **What is biomass?**

A the number of organisms

B the mass of living material

C the mass of dead material

D the energy in a food chain

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8 **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 80
- B 40
- C 800
- D 160

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9 **Why is biodiversity important?**

- A it stops all disease
- B it makes farming cheaper
- C it increases crop yields at once
- D stable ecosystems

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

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