ENGLAND GCSE BIOLOGY OCR TWENTY FIRST CENTURY HIGHER · UNIT 3 · 10 QUESTIONS

Living Together - Food and Ecosystems — 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 absorbs carbon dioxide. Which process does this?**

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

Understand It with Pulse | Flag a mistake

2 **Seabirds nest on cliffs. What does the cliff provide?**

- A a safe nesting site
- B warmth in winter
- C food for the chicks
- D water for drinking

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3 **Why does the rate of photosynthesis level off as light intensity rises?**

- A the plant runs out of water
- B another factor limits it
- C the chloroplasts stop working
- D the leaves close their stomata

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

A to save time in the field

B to avoid bias

C to cover the whole area

D to find the rarest plants

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5 **What is a producer?**

A an organism that eats animals

B an organism that makes its own food

C an organism that breaks down dead matter

D an organism that eats plants

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6 **Red apples provide energy. Which nutrient in apples provides most energy?**

- A fat, for insulation
- B fibre, for digestion
- C carbohydrates
- D protein, for growth

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7 **A field has 2000 kg of grass. If 10 percent of the energy passes to the rabbits, how much grass biomass supports the rabbits?**

- A 2000 kg
- B 400 kg
- C 100 kg
- D 200 kg

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8 **A sunflower turns its head to follow the Sun. What is this a response to?**

- A touch
- B gravity
- C light
- D water

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9 **What is metabolism?**

- A the building of proteins only
- B all the chemical reactions in the body
- C the release of energy in respiration
- D the breakdown of food in the gut only

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10

A pondweed plant releases 30 bubbles of oxygen in 6 minutes. How many bubbles does it release per minute?

A 5

B 10

C 4

D 6

Understand It with Pulse

Flag a mistake

ANSWER KEY

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

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