ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 4 · 10 QUESTIONS

Bioenergetics — 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 photosynthesis
- C combustion of the wood
- D decomposition in the soil

Understand It with Pulse | Flag a mistake

2 **A cheese pizza provides energy. Which nutrient provides most energy?**

- A protein
- B fat
- C vitamins
- D fibre

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3 **A school lunch tray holds a meal with milk. Which nutrient is milk rich in?**

- A vitamin C
- B iron
- C calcium
- D fibre

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4 **A sandwich contains bread and cheese. Where does digestion begin?**

- A in the stomach
- B in the large intestine
- C in the small intestine
- D in the mouth

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5 **What gas is released by photosynthesis?**

A nitrogen

B carbon dioxide

C hydrogen

D oxygen

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6 **Which type of respiration releases the most energy per glucose molecule?**

A fermentation

B aerobic respiration

C anaerobic respiration

D photosynthesis

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7 **Red apples contain vitamin C. What is vitamin C needed for?**

- A good eyesight at night
- B making red blood cells
- C healthy skin and gums
- D strong bones and teeth

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8 **Photosynthesis produces oxygen at a rate of 5 cm cubed per minute. How much oxygen is produced in 20 minutes?**

- A 200 cm^3
- B 90 cm^3
- C 100 cm^3
- D 110 cm^3

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9 **A food contains 200 kJ of energy per 100 g. How much energy is in 300 g of the food?**

- A 1200 kJ
- B 550 kJ
- C 650 kJ
- D 600 kJ

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10 **What is glucose made into for storage in a plant?**

- A chlorophyll
- B cellulose
- C starch
- D protein

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ANSWER KEY

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

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