ENGLAND GCSE BIOLOGY AQA FOUNDATION · 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 cheese pizza provides energy. Which nutrient provides most energy?**

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

Understand It with Pulse | Flag a mistake

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

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

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3 **One glucose molecule releases 30 molecules of ATP in respiration. How many ATP molecules are released from 10 glucose molecules?**

- A 270
- B 600
- C 300
- D 330

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

- A carbon dioxide
- B oxygen
- C nitrogen
- D hydrogen

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5 **A pondweed plant releases 36 bubbles of oxygen in 4 minutes. How many bubbles does it release per minute?**

- A 8
- B 10
- C 18
- D 9

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6 **What does anaerobic respiration in yeast produce?**

- A oxygen and water
- B glucose and energy released slowly
- C lactic acid
- D ethanol and carbon dioxide

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7 **A person breathes 12 times per minute. How many breaths is that in one hour?**

- A 1440
- B 720
- C 780
- D 660

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8 **A forest absorbs carbon dioxide. Which process does this?**

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

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

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

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10 **Why does breathing rate increase during exercise?**

- A to slow the heart
- B to cool the blood
- C to take in more carbon dioxide
- D to take in more oxygen

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ANSWER KEY

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

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