ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 1 · 10 QUESTIONS

Key Concepts in Biology — 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 school lunch tray holds a meal. Why do we need food?**

- A to feel full after eating
- B for fun only, not for health
- C for energy and growth
- D to stay awake at night

Understand It with Pulse | Flag a mistake

2 **Glass marbles are shaken in a tray. What does this model?**

- A particles disappearing completely
- B particles gaining energy
- C particles bonding together
- D particles freezing into place

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

- A 450 kJ
- B 400 kJ
- C 350 kJ
- D 800 kJ

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4 **What happens to excess amino acids in the body?**

- A they are turned into glucose
- B they are breathed out
- C they are stored as glycogen
- D they become urea

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5 **How should a biological drawing of a cell be made?**

A in pencil, with the labels coloured in

B in pen, with no labels at all

C in pencil, with ruled label lines

D in pen, with the labels written inside the drawing

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6 **Which test shows that a food contains lipid?**

A Biuret turns purple

B iodine turns blue-black

C Benedict's turns brick red

D Sudan III turns red

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7 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 0
- B 32
- C 10
- D 100

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8 **Potatoes are plant storage organs. What do they store?**

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

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9 **A microscope has an eyepiece lens of 10 times and an objective lens of 40 times. What is the total magnification?**

- **A** × 4000
- **B** × 400
- **C** × 50
- **D** × 40

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10 **A cell is 36 mm long in a photograph. Its real length is 60 micrometres. What is the magnification?**

- **A** × 1200
- **B** × 6000
- **C** × 60
- **D** × 600

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ANSWER KEY

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

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