ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY HIGHER · UNIT 4 · 10 QUESTIONS

Using Food and Controlling Growth — 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 **Red apples contain vitamin C. What is vitamin C needed for?**

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

Understand It with Pulse | Flag a mistake

2 **A school lunch tray holds a meal. Why do we need food?**

A for fun only, not for health

B to feel full after eating

C to stay awake at night

D for energy and growth

Understand It with Pulse | Flag a mistake

3 **Which of these is found in a plant cell but not in an animal cell?**

A a ribosome

B a chloroplast

C a nucleus

D a mitochondrion

Understand It with Pulse | Flag a mistake

4 **Why is bile alkaline?**

- A it dissolves fat in water
- B it neutralises stomach acid
- C it makes enzymes work in acid
- D it kills bacteria in food

Understand It with Pulse | Flag a mistake

5 **In which part of the cell cycle does the DNA copy itself?**

- A after the cell splits
- B during cell division only
- C before mitosis starts
- D when the cell dies

Understand It with Pulse | Flag a mistake

6 **A yellow school bus is full of children. What is its mass like?**

- A the same as when empty
- B zero
- C smaller than when empty
- D larger than when empty

Understand It with Pulse | Flag a mistake

7 **An enzyme reaction is fastest at 20 degrees Celsius. At 40 degrees Celsius the rate is much lower. Why?**

- A the substrate runs out
- B the enzyme is denatured
- C the enzyme works faster
- D the enzyme is digested

Understand It with Pulse | Flag a mistake

8 **Why are school cultures incubated at 25 degrees Celsius, not 37 degrees Celsius?**

A to make the bacteria grow more slowly for counting

B to avoid growing microbes that harm humans

C to stop the agar from melting

D to save electricity in the laboratory

Understand It with Pulse | Flag a mistake

9 **Which part of a plant cell contains cell sap?**

A the nucleus

B the cytoplasm

C the vacuole

D the mitochondria

Understand It with Pulse | Flag a mistake

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

A 600

B 330

C 270

D 300

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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