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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

4 **What is the pH of bile?**

A strongly acidic

B acidic

C alkaline

D neutral

Understand It with Pulse | Flag a mistake

5 **Which part of a plant cell absorbs light energy for photosynthesis?**

A the chloroplast

B the nucleus

C the mitochondria

D the ribosome

Understand It with Pulse | Flag a mistake

6 **A school lunch tray holds a bread roll, cheese and an apple. Which food test would show starch in the bread roll?**

- A iodine turns blue-black
- B Benedict's turns brick red
- C Sudan III turns red
- D Biuret turns purple

Understand It with Pulse | Flag a mistake

7 **What does ethene do?**

- A it makes roots grow faster
- B it ripens fruit
- C it bends shoots to light
- D it starts seed germination

Understand It with Pulse | Flag a mistake

8 **A single bacterium divides every 20 minutes. How many bacteria are there after 5 divisions?**

- A 34
- B 16
- C 64
- D 32

Understand It with Pulse | Flag a mistake

9 **Lipase breaks lipids down into fatty acids and what else?**

- A amino acids
- B starch
- C sugars
- D glycerol

Understand It with Pulse | Flag a mistake

10 **A person breathes 20 times per minute. How many breaths is that in one hour?**

- A 1140
- B 1260
- C 1200
- D 2400

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.