ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 1 · 10 QUESTIONS

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

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

Understand It with Pulse | Flag a mistake

2 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

- A it contracts
- B it freezes
- C it expands
- D it evaporates

Understand It with Pulse | Flag a mistake

3 **A cell of real length 0.025 mm is viewed at a magnification of 1000 times. How long is the image of the cell?**

- A 30 mm
- B 25 mm
- C 50 mm
- D 12.5 mm

Understand It with Pulse | Flag a mistake

4 **A piece of potato weighs 8 g. After soaking in pure water it weighs 8.8 g. What is the percentage increase in mass?**

- A 15%
- B 20%
- C 5%
- D 10%

Understand It with Pulse | Flag a mistake

5 **Which of these uses active transport?**

- A taking in minerals from soil
- B water entering a root
- C carbon dioxide leaving a leaf
- D oxygen entering the lungs

Understand It with Pulse | Flag a mistake

6 **A cell is 10 mm long in a photograph. Its real length is 0.05 mm. What is the magnification?**

- A × 300
- B × 100
- C × 200
- D × 400

Understand It with Pulse | Flag a mistake

7 **Which of these is found in both animal cells and plant cells?**

A a large vacuole

B a cell wall

C a chloroplast

D a mitochondrion

Understand It with Pulse | Flag a mistake

8 **A cell of real length 0.01 mm is viewed at a magnification of 1000 times. How long is the image of the cell?**

A 5 mm

B 15 mm

C 10 mm

D 20 mm

Understand It with Pulse | Flag a mistake

9 **A piece of potato weighs 10 g. After soaking in pure water it weighs 11.2 g. What is the percentage increase in mass?**

- A 24%
- B 6%
- C 12%
- D 17%

Understand It with Pulse | Flag a mistake

10 **A cell is 30 mm long in a photograph. Its real length is 0.04 mm. What is the magnification?**

- A × 850
- B × 375
- C × 1500
- D × 750

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.