ENGLAND GCSE BIOLOGY EDEXCEL FOUNDATION · 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 **Red apples contain vitamin C. What is vitamin C needed for?**

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

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

Understand It with Pulse | Flag a mistake

3 **Which cell has a cell wall made of cellulose?**

- A a plant cell
- B an animal cell
- C a bacterial cell
- D a sperm cell

Understand It with Pulse | Flag a mistake

4 **A cell image is 12 mm long and the magnification is 400 times. What is the real length of the cell?**

- A 0.3 mm
- B 4800 mm
- C 0.03 mm
- D 3 mm

Understand It with Pulse | Flag a mistake

5 **What is oxygen debt?**

A oxygen stored in the muscles

B extra oxygen after exercise

C oxygen used up during exercise

D a lack of oxygen in the blood

Understand It with Pulse | Flag a mistake

6 **Potatoes are placed in pure water. What happens to the potato cells?**

A they gain water

B they burst

C they stay the same

D they lose water

Understand It with Pulse | Flag a mistake

7 **A plant cell in pure water becomes turgid. What does turgid mean?**

A dead and dry

B swollen and firm

C empty and flat

D shrunken and soft

Understand It with Pulse | Flag a mistake

8 **Which part of a cell controls all the activities of the cell?**

A the nucleus

B the vacuole

C the cell membrane

D the cytoplasm

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

10 **Glass marbles are used to model atoms. What is a limitation of the model?**

- A marbles cannot be counted accurately at all
- B marbles are too small to see properly
- C marbles are the wrong colour for atoms
- D marbles are much bigger than atoms

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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