ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · UNIT 1 · 10 QUESTIONS

Cell Level Systems — 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 **Potatoes left in salty water go soft. Why?**

- A salt enters the cells
- B water leaves the cells
- C water enters the cells
- D the cells divide

Understand It with Pulse | Flag a mistake

2 **A peach tree flowers in spring. What do bees carry between flowers?**

- A pollen
- B seeds
- C water
- D leaves

Understand It with Pulse | Flag a mistake

3 **A piece of potato weighs 4 g. After soaking in pure water it weighs 4.6 g. What is the percentage increase in mass?**

- A 7.5%
- B 15%
- C 20%
- D 30%

Understand It with Pulse | Flag a mistake

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

- A to avoid growing microbes that harm humans
- B to save electricity in the laboratory
- C to stop the agar from melting
- D to make the bacteria grow more slowly for counting

Understand It with Pulse | Flag a mistake

5 **A cell is 15 mm long in a photograph. Its real length is 0.06 mm. What is the magnification?**

- A × 250
- B × 500
- C × 125
- D × 350

Understand It with Pulse | Flag a mistake

6 **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

7 **A pondweed plant releases 24 bubbles of oxygen in 6 minutes. How many bubbles does it release per minute?**

- A 8
- B 5
- C 4
- D 3

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

A taking in minerals from soil

B oxygen entering the lungs

C carbon dioxide leaving a leaf

D water entering a root

Understand It with Pulse | Flag a mistake

10 **Which type of respiration releases the most energy per glucose molecule?**

A photosynthesis

B fermentation

C aerobic respiration

D anaerobic respiration

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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