ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · 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 are plant storage organs. What do they store?**

- A protein
- B starch
- C cellulose
- D glucose

Understand It with Pulse | Flag a mistake

2 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 100
- B 0
- C 10
- D 32

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

- A aerobic respiration
- B anaerobic respiration
- C photosynthesis
- D fermentation

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4 **A sunflower makes glucose in its leaves. Which gas does it take in for photosynthesis?**

- A nitrogen gas from the air
- B oxygen gas from the air
- C hydrogen gas from the air
- D carbon dioxide

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5 **What is glucose used to make in cell walls?**

A starch

B glycogen

C cellulose

D amino acids

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6 **What is differentiation?**

A a cell growing larger and larger

B a cell becoming specialised

C a cell moving to a new place

D a cell dividing into two identical cells

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7 **A piece of potato weighs 5 g. After soaking in pure water it weighs 6 g. What is the percentage increase in mass?**

- A 40%
- B 20%
- C 10%
- D 25%

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8 **What is the basal metabolic rate?**

- A energy from food
- B energy used in exercise
- C energy used at rest
- D energy stored as fat

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9 **A person breathes 15 times per minute. How many breaths is that in one hour?**

- A 840
- B 900
- C 1800
- D 960

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10 **Two antibiotic discs give zones of inhibition of 8 mm and 14 mm. Which antibiotic is more effective?**

- A the 8 mm one
- B they are equally effective
- C the 14 mm one
- D neither, zones do not show this

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ANSWER KEY

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

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