ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · 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 **A peach is a fruit. Which part of the flower does it develop from?**

- A the ovary
- B the petal
- C the anther
- D the stigma

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2 **Glass marbles in a tray are used as a model for particles in a solid. What do the marbles show?**

- A particles move freely through space
- B particles are far apart from each other
- C particles vibrate in fixed positions
- D particles flow past each other easily

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3 **In which direction do particles move by diffusion?**

- A from large to small
- B from cold to hot
- C from low to high concentration
- D from high to low concentration

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4 **A piece of potato weighs 6 g. After soaking in pure water it weighs 6.6 g. What is the percentage increase in mass?**

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

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5 **A cell is 20 mm long in a photograph. Its real length is 0.05 mm. What is the magnification?**

- A × 500
- B × 400
- C × 800
- D × 200

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6 **Potatoes are plant storage organs. What do they store?**

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

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7 **A cell of real length 0.04 mm is viewed at a magnification of 100 times. How long is the image of the cell?**

- **A** 4 mm
- **B** 2 mm
- **C** 9 mm
- **D** 8 mm

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8 **A cell is 24 mm long in a photograph. Its real length is 60 micrometres. What is the magnification?**

- **A** × 4000
- **B** × 800
- **C** × 40
- **D** × 400

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9 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A exactly normal
- B impossible to tell
- C below normal
- D above normal

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

- A the cytoplasm
- B the cell membrane
- C the vacuole
- D the nucleus

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ANSWER KEY

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

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