ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 13 · 10 QUESTIONS

The Rate and Extent of Chemical Change — 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 wristwatch ticks every second. How many ticks in a minute?**

- **A** 12
- **B** 30
- **C** 60
- **D** 100

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2 **A passenger train travels at a steady speed. What is its acceleration?**

- A 0 m/s²
- B 1 m/s²
- C 10 m/s²
- D 9.8 m/s²

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3 **A yellow school bus is full of children. What is its mass like?**

- A the same as when empty
- B zero
- C larger than when empty
- D smaller than when empty

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4 **What happens to equilibrium if the temperature rises?**

- A it stays in the same place
- B the reaction stops
- C it moves to take in heat
- D it moves to give out heat

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

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

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6 **A kite rises higher. What happens to the wind speed usually?**

- A it becomes zero
- B it stays the same
- C it increases
- D it decreases

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7 **In a second experiment, 30 cm cubed of gas are made in 30 seconds. What is the rate of the reaction?**

- A 1 cm^3/s
- B 1.5 cm^3/s
- C 0.5 cm^3/s
- D 2.5 cm^3/s

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8 **In an experiment, 40 cubic centimetres of gas are made in 20 seconds. What is the rate of the reaction?**

- A 4 cm^3/s
- B 800 cm^3/s
- C 1 cm^3/s
- D 2 cm^3/s

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9 **In an experiment, 60 cubic centimetres of gas are made in 10 seconds. What is the rate of the reaction?**

- A 600 cm^3/s
- B 6 cm^3/s
- C 12 cm^3/s
- D 3 cm^3/s

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10 **A reaction produces 60 cm cubed of gas in 10 seconds. What is the mean rate of reaction?**

- A 6.5 cm^3/s
- B 6 cm^3/s
- C 12 cm^3/s
- D 5.5 cm^3/s

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ANSWER KEY

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

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