ENGLAND GCSE CHEMISTRY AQA FOUNDATION · UNIT 6 · 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 passenger train travels at a steady speed. What is its acceleration?**

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

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2 **A yellow school bus stops at a station. What happens to its speed?**

A it becomes negative

B it increases

C it stays the same

D it becomes zero

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3 **A reaction produces 40 cm cubed of gas in 10 seconds. What is the mean rate of reaction?**

A 3.5 cm^3/s

B 8 cm^3/s

C 4 cm^3/s

D 4.5 cm^3/s

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4 **A cup of coffee is left for an hour. What happens to its temperature?**

A it falls to room temperature

B it falls to zero degrees

C it stays the same all day

D it rises above room temperature

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5 **A kite flies in the wind. Which force holds the kite up?**

A drag

B lift

C weight

D thrust

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6 **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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7 **In an experiment, 60 cubic centimetres of gas are made in 30 seconds. What is the rate of the reaction?**

- A 4 cm^3/s
- B 2 cm^3/s
- C 1800 cm^3/s
- D 1 cm^3/s

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8 **What happens to the ammonia made in the Haber process?**

- **A** it is burned as a fuel
- **B** it is released into the air
- **C** it is mixed with oxygen
- **D** it is cooled and liquefied

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9 **In a second experiment, 30 cm cubed of gas are made in 15 seconds. What is the rate of the reaction?**

- **A** 1.5 cm^3/s
- **B** 2 cm^3/s
- **C** 3.5 cm^3/s
- **D** 2.5 cm^3/s

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

A 3 cm^3/s

B 600 cm^3/s

C 6 cm^3/s

D 12 cm^3/s

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ANSWER KEY

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

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