ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · 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 cup of coffee is left for an hour. What happens to its temperature?**

- **A** it falls to zero degrees
- **B** it stays the same all day
- **C** it rises above room temperature
- **D** it falls to room temperature

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2 **A passenger train carries people around the country. Which part of the blood is like the train, carrying oxygen around the body?**

A red blood cells

B white blood cells

C plasma

D platelets

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

A it increases

B it becomes zero

C it stays the same

D it becomes negative

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4 **A reaction should make 200 g of product but only makes 160 g. What is the percentage yield?**

- A 90%
- B 160%
- C 80%
- D 70%

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

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

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6 **A solution has a concentration of 1 mol per cubic decimetre. How many moles are in 3 cubic decimetres of the solution?**

- A 6 mol
- B 3 mol
- C 4 mol
- D 2 mol

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

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

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8 **In a second experiment, 50 cm cubed of gas are made in 30 seconds. What is the rate of the reaction?**

- A 2.1667 cm^3/s
- B 3.1667 cm^3/s
- C 1.1667 cm^3/s
- D 1.6667 cm^3/s

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

- A drag
- B lift
- C thrust
- D weight

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10 **A wristwatch ticks every second. How many ticks in a minute?**

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

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ANSWER KEY

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

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