ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 10 · 10 QUESTIONS

Quantitative Chemistry — 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 **Hardcover books are stacked on a table. What force pulls them down?**

- A air resistance
- B gravity
- C tension
- D friction

Understand It with Pulse | Flag a mistake

2 **A calculator uses a battery. What energy is stored in the battery?**

- A light energy from the Sun
- B kinetic energy of motion
- C thermal energy from heat
- D chemical energy

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3 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

- A it evaporates
- B it freezes
- C it contracts
- D it expands

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4 **A chocolate cake is baked. Is baking a chemical change?**

- A no
- B sometimes
- C never
- D yes

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5 **What is the mass of 2 moles of a substance with a relative formula mass of 20?**

A 50 g

B 80 g

C 40 g

D 20 g

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6 **What is the relative formula mass of ammonia, NH_3?**

A 17

B 25

C 13

D 34

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7 **What is the relative formula mass of methane, CH_4?**

- A 14
- B 12
- C 20
- D 16

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8 **A reaction should make 50 g of product but makes 40 g. What is the percentage yield?**

- A 125%
- B 90%
- C 80%
- D 10%

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9 **Lemons contain citric acid. What is the pH of lemon juice likely to be?**

A 12

B 14

C 7

D 2

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10 **What is the mass of 3 moles of a substance with a relative formula mass of 58.5?**

A 185.5 g

B 87.75 g

C 351 g

D 175.5 g

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ANSWER KEY

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

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