ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · 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 dropped. What happens to their speed as they fall?**

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

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2 **Lemons contain citric acid. What do acids make with metals?**

- A a salt and hydrogen
- B a salt and oxygen gas
- C water only, nothing else
- D a salt and water, never hydrogen

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3 **What is the mass of 4 moles of a substance with a relative formula mass of 20?**

- A 160 g
- B 40 g
- C 80 g
- D 90 g

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4 **What is the relative formula mass of hydrogen chloride, HCl?**

- A 36.5
- B 73
- C 44.5
- D 32.5

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5 **Silver coins are made of the element silver. What is the chemical symbol for silver?**

A Si

B Sv

C Ag

D S

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6 **How many moles are there in 20 g of a substance with a relative formula mass of 40?**

A 1

B 0.5

C 1.5

D 0.25

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

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8 **A chocolate cake rises in the oven. What makes it rise?**

- A a gas is made
- B the sugar freezes
- C the flour melts
- D the egg evaporates

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9 **What is the mass of 2 moles of a substance with a relative formula mass of 40?**

- A 80 g
- B 40 g
- C 90 g
- D 160 g

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10 **What is the relative formula mass of carbon dioxide, CO_2?**

- A 44
- B 28
- C 32
- D 40

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ANSWER KEY

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

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