ENGLAND GCSE CHEMISTRY AQA FOUNDATION · UNIT 3 · 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 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

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

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

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

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3 **Silver coins conduct electricity well. Why?**

A they have free electrons

B they are heavy

C they are cold

D they are shiny and reflective

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

A 20 g

B 50 g

C 40 g

D 80 g

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

A 2

B 6

C 1

D 4

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6 **The maximum possible mass of product is 50 g. A student makes 40 g. What is the percentage yield?**

A 80%

B 160%

C 90%

D 70%

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7 **What is the relative formula mass of sulfuric acid, H_2SO_4?**

A 82

B 98

C 114

D 66

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8 **Lemons taste sour. What does sour taste show?**

A a salt is present

B an alkali is present

C an acid is present

D a metal is present

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9 **A calculator is switched on. What does the battery transfer energy to?**

- A the circuits
- B the buttons only
- C the case
- D the screen only

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10 **Hardcover books have mass. What is mass measured in?**

- A newtons, the unit of force
- B kilograms
- C watts
- D joules

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ANSWER KEY

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

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