ENGLAND GCSE CHEMISTRY EDEXCEL FOUNDATION · UNIT 1 · 10 QUESTIONS

Key Concepts in 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 hot air balloon cools down. What happens?**

- A it rises faster
- B it bursts
- C it sinks
- D it stays still

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

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

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

A Sv

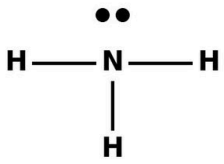
B Si

C S

D Ag

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4 **The diagram shows an ammonia molecule. How many covalent bonds does the nitrogen atom form?**



A 1

B 3

C 2

D 4

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5 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

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

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6 **Paintbrushes are used with paint. What is paint an example of?**

- A a pure substance
- B a formulation
- C a compound
- D an element

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7 **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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8 **Hardcover books are dropped. What happens to their speed as they fall?**

A it increases

B it becomes zero

C it stays the same

D it decreases

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9 **A reaction makes 20 g of useful product from 40 g of reactants in total. What is the atom economy?**

- A 150%
- B 25%
- C 100%
- D 50%

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10 **Why does graphite feel slippery?**

- A its atoms are not joined at all
- B weak forces hold its layers together
- C strong covalent bonds join its layers
- D it is made of separate molecules

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ANSWER KEY

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

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