ENGLAND GCSE CHEMISTRY AQA FOUNDATION · UNIT 1 · 10 QUESTIONS

Atomic Structure and the Periodic Table — 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 rises because the air inside it is less dense than the air outside. What happens to the density of air when it is heated?**

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

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2 **An ice cream cone melts in the Sun. What is happening to the particles in the ice cream?**

- A they get smaller
- B they stop moving
- C they lose energy and slow down a lot
- D they gain energy and move more

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3 **An atom has 8 protons and 6 neutrons. What is its mass number?**

- A 6
- B 8
- C 16
- D 14

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4 **Where are metals found in the periodic table?**

A on the right

B on the left

C at the top

D in the middle only

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5 **Hardcover books are stacked on a table. What force pulls them down?**

A friction

B tension

C gravity

D air resistance

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

A they have free electrons

B they are cold

C they are shiny and reflective

D they are heavy

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7 **Why are isotopes with the same proton number the same element?**

A the electron number decides the element

B the mass number decides the element

C the proton number decides the element

D the neutron number decides the element

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8 **How many electrons are in the outer shell of a Group 7 element?**

A 1

B 2

C 8

D 7

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9 **What is a period in the periodic table?**

A a column

B a group

C a row

D a block

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

A it freezes

B it contracts

C it expands

D it evaporates

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ANSWER KEY

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

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