ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 8 · 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 **Silver coins conduct electricity well. Why?**

- **A** they have free electrons
- **B** they are heavy
- **C** they are shiny and reflective
- **D** they are cold

Understand It with Pulse | Flag a mistake

2 **Glass marbles are shaken in a tray. What does this model?**

- A particles bonding together
- B particles disappearing completely
- C particles freezing into place
- D particles gaining energy

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

A it stays the same

B it becomes zero

C it decreases

D it increases

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5 **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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6 **An atom has 19 protons and 8 neutrons. What is its mass number?**

A 8

B 27

C 29

D 19

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

A 7

B 1

C 8

D 2

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8 **A hot air balloon is filled with hot air. Why does it rise?**

- A hot air has no mass
- B hot air is heavier than cold air
- C hot air is less dense
- D hot air is colder

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

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

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10 **How does reactivity change down Group 7?**

A it stops

B it stays the same

C it increases

D it decreases

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ANSWER KEY

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

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