ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 7 · 10 QUESTIONS

Particles — 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 are cold
- B they are heavy
- C they are shiny and reflective
- D they have free electrons

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

3 **An atom has 8 protons. How many electrons does the neutral atom have?**

- A 7
- B 8
- C 10
- D 9

Understand It with Pulse | Flag a mistake

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

- A at the top
- B in the middle only
- C on the right
- D on the left

Understand It with Pulse | Flag a mistake

5 **An atom of oxygen gains 2 electrons. What is the charge on the ion formed?**

A +2

B -1

C -2

D 0

Understand It with Pulse | Flag a mistake

6 **Which element has the electronic structure 2,8,1?**

A chlorine, which has seven outer electrons

B magnesium, which has two outer electrons

C sodium

D argon, which has a full outer shell

Understand It with Pulse | Flag a mistake

7 **Why do isotopes of the same element have the same chemical properties?**

- A they have the same density always
- B they have the same number of electrons
- C they have the same number of neutrons in the nucleus
- D they have the same mass number

Understand It with Pulse | Flag a mistake

8 **What does the atomic number tell you?**

- A the number of protons
- B the number of neutrons
- C the number of electrons and neutrons
- D the mass of the atom

Understand It with Pulse | Flag a mistake

9 **What is the electronic structure of sodium (atomic number 11)?**

- **A** 2,8,8
- **B** 2,8,2
- **C** 2,8,1
- **D** 2,7,2

Understand It with Pulse | Flag a mistake

10 **A swimming pool is filled with water. What is the density of water?**

- **A** about 1000 kilograms per cubic metre
- **B** about 1 kilogram per cubic metre
- **C** about 100 kilograms per cubic metre, roughly
- **D** about 10 kilograms per cubic metre

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.