ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · UNIT 8 · 5 QUESTIONS

Elements, Compounds and Mixtures — 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 **Paintbrushes apply paint to a wall. What is the paint made of?**

- A a mixture of substances
- B pure water with nothing in it
- C a single element, nothing else
- D a single compound, nothing else

Understand It with Pulse | Flag a mistake

2 **Which of these is a simple covalent molecule?**

- **A** NaCl
- **B** CO_2
- **C** MgO
- **D** $CaCl_2$

Understand It with Pulse | Flag a mistake

3 **What is seen when sodium hydroxide is added to iron(II) sulfate solution?**

- **A** a green precipitate
- **B** a brown precipitate forms at once
- **C** a white precipitate forms at once
- **D** a blue precipitate forms at once

Understand It with Pulse | Flag a mistake

4 How many atoms of hydrogen are there in one molecule of water?

- A 1
- B 3
- C 4
- D 2

Understand It with Pulse | Flag a mistake

5 What holds the molecules together in a simple molecular substance?

- A strong ionic bonds between molecules
- B a sea of delocalised electrons
- C strong covalent bonds between molecules
- D weak intermolecular forces

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. A
4. D
5. D

© 2026 Brett Robbins. All Rights Reserved.