ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · UNIT 10 · 10 QUESTIONS

Predicting and Identifying Reactions and Products — 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

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

Understand It with Pulse

Flag a mistake

2 **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

Understand It with Pulse | Flag a mistake

3 **A castle is built of limestone. What is limestone made of?**

A calcium carbonate

B sodium chloride, common salt

C magnesium oxide, a white powder

D calcium sulfate, found in plaster

Understand It with Pulse | Flag a mistake

4 **How do you test for sulfate ions?**

- A a glowing splint relights
- B limewater turns cloudy
- C barium chloride gives a white precipitate
- D silver nitrate gives a yellow precipitate

Understand It with Pulse | Flag a mistake

5 **Magnesium is more reactive than copper. What happens when magnesium is added to copper sulfate solution?**

- A magnesium displaces copper
- B copper displaces magnesium
- C nothing happens at all
- D the solution turns yellow

Understand It with Pulse | Flag a mistake

6 **A cup of coffee is left for an hour. What happens to its temperature?**

- A it falls to room temperature
- B it rises above room temperature
- C it stays the same all day
- D it falls to zero degrees

Understand It with Pulse | Flag a mistake

7 **A chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

- A sugar
- B flour
- C water
- D eggs

Understand It with Pulse | Flag a mistake

8 **How do you test for hydrogen gas?**

A it relights a glowing splint

B it turns limewater cloudy

C it turns damp litmus red

D it burns with a squeaky pop

Understand It with Pulse | Flag a mistake

9 **Why does zinc displace copper from copper sulfate?**

A copper is a gas

B zinc is a gas

C zinc is more reactive than copper

D zinc is less reactive than copper

Understand It with Pulse | Flag a mistake

10 **Iron is more reactive than copper. What happens when iron is added to copper sulfate solution?**

A copper displaces iron

B iron displaces copper

C the solution turns blue

D nothing happens at all

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.