ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · 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 **A castle built of limestone is damaged by acid rain. Which gas causes acid rain?**

A carbon dioxide

B oxygen

C nitrogen

D sulfur dioxide

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2 **An ice cream cone melts. What is the melting point of the ice cream?**

- A around 100 degrees Celsius
- B around 0 degrees Celsius
- C around minus 20 degrees Celsius
- D around 37 degrees Celsius

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

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

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4 **What does mass spectrometry measure?**

A the masses of particles

B the volume of a gas

C the colours of a flame

D the temperature of a sample

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5 **What colour flame does sodium give in a flame test?**

A yellow

B brick red

C green

D lilac

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6 **Why is aluminium extracted by electrolysis?**

- A it is cheap to do
- B it is too reactive for carbon
- C carbon does not react with it
- D it melts easily

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7 **Lemons contain citric acid. What is the pH of lemon juice likely to be?**

- A 2
- B 12
- C 14
- D 7

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8 **What can gas chromatography separate?**

- A mixtures of gases
- B solids from liquids only
- C acids from alkalis only
- D metals from their ores

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

- A zinc is more reactive than copper
- B copper is a gas
- C zinc is a gas
- D zinc is less reactive than copper

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

A it stays the same all day

B it falls to room temperature

C it falls to zero degrees

D it rises above room temperature

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ANSWER KEY

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

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