ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 13 · 10 QUESTIONS

Extracting Metals and Equilibria — 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 are made of the element silver. What is the chemical symbol for silver?**

- A S
- B Si
- C Sv
- D Ag

Understand It with Pulse | Flag a mistake

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

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

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3 **Why is gold found uncombined in the Earth?**

- A it dissolves in water
- B it is made by volcanoes
- C it is very unreactive
- D it is very reactive

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4 **A cup of coffee cools down. Energy is transferred to the surroundings. What type of change is this?**

- A a neutralisation
- B a reversible reaction
- C a chemical change
- D an energy transfer

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

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

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6 **Which metal is the most reactive?**

- A zinc, which coats steel
- B copper, which is used for wires
- C iron, which is used for nails
- D potassium

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7 **In the Haber process, 1 mole of nitrogen reacts with 3 moles of hydrogen. How many moles of hydrogen react with 1 moles of nitrogen?**

- A 4
- B 6
- C 3
- D 2

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8 **What is the order of reactivity, most reactive first?**

A calcium, magnesium, potassium, sodium

B sodium, potassium, magnesium, calcium

C magnesium, calcium, sodium, potassium

D potassium, sodium, calcium, magnesium

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9 **What happens when copper is added to zinc sulfate solution?**

A the solution turns blue at once

B nothing happens

C copper displaces zinc from the solution

D zinc displaces copper from the solution

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

A 2

B 7

C 14

D 12

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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