ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · 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 **An ice cream cone is put in a freezer. What happens to the liquid?**

- **A** it boils
- **B** it condenses
- **C** it evaporates
- **D** it freezes

Understand It with Pulse | Flag a mistake

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

- A calcium sulfate, found in plaster
- B sodium chloride, common salt
- C calcium carbonate
- D magnesium oxide, a white powder

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3 **Lemons taste sour. What does sour taste show?**

- A a metal is present
- B a salt is present
- C an acid is present
- D an alkali is present

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4 **Why is iron used as the catalyst in the Haber process?**

A it speeds up the reaction

B it increases the yield

C it cools the reaction down

D it is used up in the reaction

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5 **Why is a catalyst used in the Haber process?**

A to speed the reaction up

B to use up the nitrogen faster

C to raise the temperature of the reaction

D to shift the equilibrium towards ammonia

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

A zinc displaces copper from the solution

B nothing happens

C copper displaces zinc from the solution

D the solution turns blue at once

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7 **What is oxidation?**

A gain of oxygen

B loss of oxygen from a substance

C loss of a metal from an ore

D gain of a metal from an ore

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

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

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9 **What catalyst is used in the Haber process?**

- A iron
- B copper
- C platinum
- D nickel

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10 **Which metal is least reactive?**

A gold

B zinc

C iron

D magnesium

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ANSWER KEY

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

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