ENGLAND GCSE CHEMISTRY EDEXCEL FOUNDATION · UNIT 4 · 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 conduct electricity well. Why?**

- A they are cold
- B they are shiny and reflective
- C they have free electrons
- D they are heavy

Understand It with Pulse | Flag a mistake

2 **A cup of coffee is hot. How is energy transferred to the air?**

A by evaporation only, from the top

B by conduction and convection

C by condensation on the cold cup

D by radiation only, from the surface

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3 **Lemons contain citric acid. What do acids make with metals?**

A a salt and water, never hydrogen

B a salt and oxygen gas

C a salt and hydrogen

D water only, nothing else

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4 **What happens to an equilibrium if the temperature is raised?**

- A the reaction stops completely at once
- B it stays exactly where it was before
- C it shifts to the exothermic side, releasing heat
- D it shifts to the endothermic side

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5 **A castle wall is made of stone. What type of rock is limestone?**

- A igneous
- B metamorphic
- C sedimentary
- D volcanic

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6 **Which metal will displace copper from copper sulfate solution?**

A silver, which is below copper in the series

B gold, which is below copper in the series

C copper, which is already in the solution

D zinc

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7 **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 100 degrees Celsius

D around minus 20 degrees Celsius

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8 **Why is a high pressure used in the Haber process?**

A to get more ammonia

B to stop the catalyst from working

C to make the reaction go more slowly

D to use less nitrogen in the reaction

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9 **What happens when iron oxide is heated with carbon?**

A oxygen gas is released on its own

B carbon dioxide forms and nothing else

C iron oxide melts and stays as iron oxide

D iron forms

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10 **A chocolate cake is baked. Is baking a chemical change?**

A yes

B sometimes

C never

D no

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ANSWER KEY

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

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