ENGLAND GCSE CHEMISTRY EDEXCEL FOUNDATION · UNIT 5 · 10 QUESTIONS

Separate Chemistry 1 — 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. What is the melting point of the ice cream?**

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

Understand It with Pulse | Flag a mistake

2 **A chocolate cake rises in the oven. What makes it rise?**

- A the egg evaporates
- B the sugar freezes
- C a gas is made
- D the flour melts

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3 **A student adds 20 cm cubed of 1 mol per cubic decimetre potassium hydroxide solution to a flask. It exactly neutralises 25 cm cubed of nitric acid. What is the concentration of the nitric acid ?**

- A 0.8 mol/dm³
- B 0.4 mol/dm³
- C 2.4 mol/dm³
- D 1.6 mol/dm³

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4 **How does sacrificial protection work?**

- A the iron is painted over with a very thick coat
- B a more reactive metal corrodes instead
- C the iron is kept very dry
- D the iron is coated in oil

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5 **What is bronze made from?**

A iron and carbon mixed together

B copper and tin

C copper and zinc mixed together

D copper and aluminium mixed together

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

A a salt and oxygen gas

B a salt and hydrogen

C water only, nothing else

D a salt and water, never hydrogen

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7 **A calculator is switched on. What does the battery transfer energy to?**

- A the case
- B the circuits
- C the buttons only
- D the screen only

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8 **Why is stainless steel used for cutlery?**

- A it does not rust
- B it is very cheap to make
- C it is magnetic and light
- D it is very soft to shape

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9 **What do hydrogen fuel cells make?**

A electricity and oxygen

B electricity and carbon dioxide

C electricity and water

D heat and carbon dioxide

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10 **How many moles of oxygen occupy 120 cubic decimetres at room temperature and pressure?**

A 6

B 4.5

C 5

D 7

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ANSWER KEY

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

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