ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY HIGHER · UNIT 12 · 5 QUESTIONS

Making Useful Chemicals — 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 shiny and reflective
- B they have free electrons
- C they are cold
- D they are heavy

Understand It with Pulse | Flag a mistake

2 **The maximum possible mass of product is 40 g. A student makes 36 g. What is the percentage yield?**

- A 100%
- B 180%
- C 90%
- D 80%

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3 **A reaction should make 100 g of product but only makes 50 g. What is the percentage yield?**

- A 100%
- B 60%
- C 50%
- D 40%

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4 **A reaction makes 1 moles of gas. What volume does the gas occupy at room temperature and pressure?**

- A 48 dm^3
- B 24 dm^3
- C 36 dm^3
- D 12 dm^3

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5

A student heats 200 g of water. Its temperature rises by 5 degrees Celsius. The specific heat capacity of water is 4.2 joules per gram per degree Celsius. How much energy is transferred to the water in kilojoules?

A 4.2 kJ

B 42 kJ

C 8.4 kJ

D 0.42 kJ

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ANSWER KEY

1. B
2. C
3. C
4. B
5. A

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