ENGLAND GCSE CHEMISTRY EDEXCEL HIGHER · 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 **Silver coins are made of a metal. Which property do metals have?**

- A they dissolve in water
- B they are brittle
- C they do not conduct electricity at all
- D they conduct electricity

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

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

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3 **Hardcover books are dropped. What happens to their speed as they fall?**

A it stays the same

B it increases

C it becomes zero

D it decreases

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

A 12

B 7

C 14

D 2

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5 **What is the concentration in moles per cubic decimetre of a solution made by dissolving 2 g of sodium hydroxide in 50 cm cubed of water?**

- **A** 3 mol/dm³
- **B** 2 mol/dm³
- **C** 1 mol/dm³
- **D** 0.5 mol/dm³

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6 **Glass marbles are used to model atoms. What is a limitation of the model?**

- **A** marbles are the wrong colour for atoms
- **B** marbles are too small to see properly
- **C** marbles are much bigger than atoms
- **D** marbles cannot be counted accurately at all

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7 **What is the main metal in steel?**

A nickel

B chromium

C iron

D carbon

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

A flour

B water

C eggs

D sugar

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

A the screen only

B the buttons only

C the case

D the circuits

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10 **A student adds 30 cm cubed of 0.4 mol per cubic decimetre sodium hydroxide solution to a flask. It exactly neutralises 20 cm cubed of hydrochloric acid. What is the concentration of the hydrochloric acid ?**

A 0.3 mol/dm³

B 1.8 mol/dm³

C 0.6 mol/dm³

D 1.2 mol/dm³

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ANSWER KEY

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

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