ENGLAND GCSE CHEMISTRY EDEXCEL HIGHER · UNIT 1 · 10 QUESTIONS

# Key Concepts in Chemistry — 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 minus 20 degrees Celsius
- B around 100 degrees Celsius
- C around 37 degrees Celsius
- D around 0 degrees Celsius

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**2** **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 10
- B 100
- C 32
- D 0

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3 **What is the formula of carbon dioxide?**

A $CO_2$

B $C_2O$

C $CO_3$

D CO

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

A water

B eggs

C sugar

D flour

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5 **Which transition metal is used in construction?**

A calcium

B sodium

C iron

D lithium

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6 **What is the electronic structure of fluorine (atomic number 9)?**

A 2,6

B 2,7,1

C 2,7

D 2,8

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**7** **Silver coins are made of a metal. Which property do metals have?**

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

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**8** **What did Mendeleev predict about the gaps in his table?**

- A new groups would appear in the gaps one day
- B the gaps would stay empty for ever
- C elements would be found to fill them
- D the table would need to be remade

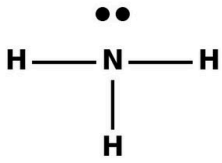
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**9** **A hot air balloon cools down. What happens?**

- **A** it rises faster
- **B** it stays still
- **C** it bursts
- **D** it sinks

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**10** **The diagram shows an ammonia molecule. How many covalent bonds does the nitrogen atom form?**




- **A** 4
- **B** 1
- **C** 3
- **D** 2

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# ANSWER KEY

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

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