ENGLAND GCSE CHEMISTRY AQA FOUNDATION · UNIT 2 · 10 QUESTIONS

Bonding, Structure, and the Properties of Matter — 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 0 degrees Celsius
- **B** around minus 20 degrees Celsius
- **C** around 100 degrees Celsius
- **D** around 37 degrees Celsius

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2 **Glass marbles are shaken in a tray. What does this model?**

A particles gaining energy

B particles disappearing completely

C particles freezing into place

D particles bonding together

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3 **An element is in period 2 of the periodic table. How many electron shells do its atoms have?**

A 1

B 3

C 4

D 2

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4 **What is bronze made from?**

A copper and aluminium mixed together

B iron and carbon mixed together

C copper and zinc mixed together

D copper and tin

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5 **What type of bonding is in diamond?**

A covalent

B intermolecular forces

C ionic

D metallic

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6 **Which of these has a giant covalent structure?**

A water

B sodium chloride

C carbon dioxide

D diamond

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7 **Why are nanoparticles used in sun cream?**

A they cool the skin down quickly

B they make the cream smell pleasant

C they make the cream waterproof

D they block ultraviolet light

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8 **Paintbrushes are used with paint. What is paint an example of?**

A a compound

B a pure substance

C an element

D a formulation

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9 **How does sodium form an ion?**

A it gains one electron

B it loses one electron

C it shares one electron

D it loses two electrons

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

A they conduct electricity

B they are brittle

C they do not conduct electricity at all

D they dissolve in water

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ANSWER KEY

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

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