ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 8 · 5 QUESTIONS

Elements, Compounds and Mixtures — 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 **Glass marbles in a tray are used as a model for particles in a solid. What do the marbles show?**

- A particles flow past each other easily
- B particles are far apart from each other
- C particles vibrate in fixed positions
- D particles move freely through space

Understand It with Pulse | Flag a mistake

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

A it bursts

B it sinks

C it rises faster

D it stays still

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3 **Why is graphite soft and slippery?**

A it has no covalent bonds at all

B its layers slide over each other

C its atoms are joined to four other atoms

D it has strong bonds between its layers

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4 **What type of bonding is in graphite?**

A ionic

B covalent

C metallic

D intermolecular forces

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5 **In a chromatogram, a spot moves 4 cm and the solvent moves 10 cm. What is the Rf value?**

A 0.55

B 0.8

C 0.4

D 0.5

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ANSWER KEY

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

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