ENGLAND GCSE CHEMISTRY EDEXCEL HIGHER · UNIT 6 · 10 QUESTIONS

Groups in the Periodic Table — 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 **A hot air balloon is filled with hot air. Why does it rise?**

- A hot air is less dense
- B hot air has no mass
- C hot air is heavier than cold air
- D hot air is colder

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2 **Hardcover books are stacked on a table. What force pulls them down?**

- A friction
- B air resistance
- C tension
- D gravity

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3 **What is formed when chlorine reacts with potassium bromide solution?**

- A potassium iodide and bromine water
- B nothing, as no reaction happens
- C potassium bromide and chlorine gas
- D potassium chloride and bromine

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4 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B impossible to tell
- C exactly normal
- D below normal

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5 **Where are metals found in the periodic table?**

A at the bottom, below the table

B on the left

C on the right, with the non-metals

D in the middle only, nowhere else

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6 **What is a property of transition metals?**

A they are all soft and easy to cut

B they never react with anything

C they form coloured compounds

D they melt at very low temperatures

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

A they dissolve in water

B they do not conduct electricity at all

C they conduct electricity

D they are brittle

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8 **Why are noble gases unreactive?**

A they have seven electrons in the outer shell

B they have one electron in the outer shell

C they have a full outer shell

D they have no electrons at all

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9 **Glass marbles in a tray are used as a model for particles in a solid. What do the marbles show?**

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

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10 **What colour flame does potassium give?**

- A green, like copper in a flame test
- B lilac
- C yellow, like sodium in a flame test
- D red, like lithium in a flame test

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ANSWER KEY

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

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