ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 14 · 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 **Glass marbles are used to model atoms. What is a limitation of the model?**

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

Understand It with Pulse | Flag a mistake

2 **Silver coins conduct electricity well. Why?**

- A they are cold
- B they have free electrons
- C they are shiny and reflective
- D they are heavy

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3 **What is iodine used for?**

A in car batteries, to store charge

B in fertilisers, to help crops grow

C in street lights, to give a yellow glow

D in antiseptics

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4 **What colour is chlorine gas?**

A brown, like bromine vapour

B green

C colourless, like oxygen gas

D purple, like iodine vapour

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5 **What is a property of transition metal compounds?**

A they are always gases at room temperature

B they are often coloured

C they never dissolve in water

D they are always white powders

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6 **An ice cream cone melts in the Sun. What is happening to the particles in the ice cream?**

A they lose energy and slow down a lot

B they gain energy and move more

C they stop moving

D they get smaller

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

A sodium

B lithium

C calcium

D iron

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

A green, like copper in a flame test

B red, like lithium in a flame test

C lilac

D yellow, like sodium in a flame test

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9 **What is bromine used for?**

A in fertilisers, to help crops grow

B in street lights, to give a yellow glow

C in balloons, to make them float

D in disinfectants

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10 **What do elements in the same group have in common?**

A the same mass number as each other

B the same atomic number as each other

C the same number of shells of electrons

D the same number of outer electrons

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ANSWER KEY

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

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