ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · 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 cannot be counted accurately at all
- B marbles are too small to see properly
- C marbles are the wrong colour for atoms
- D marbles are much bigger than atoms

Understand It with Pulse | Flag a mistake

2 **A hot air balloon is filled with hot air. Why does it rise?**

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

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

A the same number of shells of electrons

B the same atomic number as each other

C the same mass number as each other

D the same number of outer electrons

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4 **Why is iron used to make steel?**

A it is a good insulator of heat

B it is strong

C it never rusts when it gets wet

D it melts at a very low temperature

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5 **Which group are fluorine, chlorine and iodine in?**

A Group 0, with the noble gases

B Group 7

C Group 1, with the alkali metals

D Group 2, with the alkaline earth metals

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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 **Silver coins are made of the element silver. What is the chemical symbol for silver?**

- A S
- B Ag
- C Si
- D Sv

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

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

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9 **What colour flame does lithium give?**

A red

B green, like copper in a flame test

C lilac, like potassium in a flame test

D yellow, like sodium in a flame test

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

A tension

B air resistance

C gravity

D friction

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ANSWER KEY

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

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