ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 8 · 10 QUESTIONS

Atomic Structure and 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 **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 get smaller
- C they stop moving
- D they gain energy and move more

Understand It with Pulse | Flag a mistake

2 **Glass marbles are used to model atoms. What is a limitation of the model?**

A marbles are much bigger than atoms

B marbles are too small to see properly

C marbles are the wrong colour for atoms

D marbles cannot be counted accurately at all

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3 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

A it evaporates

B it expands

C it contracts

D it freezes

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4 **An atom has 19 protons and 12 neutrons. What is its mass number?**

- A 33
- B 31
- C 12
- D 19

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5 **An atom has atomic number 11 and mass number 23. How many neutrons does it have?**

- A 11
- B 23
- C 12
- D 34

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6 **Which electronic structure is a noble gas?**

- A 2,6
- B 2,8,8
- C 2,8,1
- D 2,8,7

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7 **An atom has 11 protons and 10 neutrons. What is its mass number?**

- A 23
- B 11
- C 10
- D 21

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8 **A hot air balloon rises because the air inside it is less dense than the air outside. What happens to the density of air when it is heated?**

- A it increases
- B it stays the same
- C it becomes zero
- D it decreases

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9 **Hardcover books have mass. What is mass measured in?**

- A kilograms
- B joules
- C newtons, the unit of force
- D watts

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

A they have free electrons

B they are heavy

C they are shiny and reflective

D they are cold

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ANSWER KEY

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

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