ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 7 · 5 QUESTIONS

Particles — Practice Test

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

Understand It with Pulse | Flag a mistake

2 **Which of these is a non-metal?**

- A iron
- B copper
- C sulfur
- D sodium

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3 **An atom has 11 protons and 6 neutrons. What is its mass number?**

A 17

B 11

C 19

D 6

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4 **In Rutherford's gold foil experiment, what happened to most alpha particles?**

A they turned into electrons in the foil

B they were absorbed by the gold foil

C they passed straight through

D they bounced straight back off the foil

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

A marbles are much bigger than atoms

B marbles are the wrong colour for atoms

C marbles are too small to see properly

D marbles cannot be counted accurately at all

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ANSWER KEY

1. C
2. C
3. A
4. C
5. A

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