ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY HIGHER · UNIT 5 · 5 QUESTIONS

Radioactive Materials — 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 to let Brett know so he can fix it.

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

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

Understand It with Pulse | Flag a mistake

2 **Why is fusion hard to use in a power station on Earth?**

- A fusion only works in space
- B fusion releases no energy
- C there is no hydrogen on Earth
- D holding the hot fuel is hard

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3 **Hardcover books are dropped. What happens to their speed as they fall?**

A it becomes zero

B it stays the same

C it increases

D it decreases

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4 **A nucleus gives out an alpha particle. What is the alpha particle?**

A one proton only

B pure energy

C one fast electron, like a beta particle

D two protons and two neutrons

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5

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

A it expands

B it freezes

C it evaporates

D it contracts

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ANSWER KEY

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

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