ENGLAND GCSE PHYSICS OCR GATEWAY FOUNDATION · UNIT 6 · 5 QUESTIONS

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

- A gravity
- B air resistance
- C tension
- D friction

Understand It with Pulse | Flag a mistake

2 **A sample has a half-life of 5 days. What percentage of the sample is left after 20 days?**

- A 12%
- B 94%
- C 3%
- D 6%

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3 **What do control rods do in a nuclear reactor?**

- A they absorb neutrons
- B they speed up the neutrons
- C they add more fuel
- D they cool the water

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

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

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5 **A sample has an activity of 800 counts per minute. After 3 half-lives, what is its activity?**

A 200

B 400

C 100

D 50

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ANSWER KEY

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

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