ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 16 · 5 QUESTIONS

Waves and 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 so it can be fixed.

1 **A Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

- A increasing speed
- B steady speed
- C zero speed
- D decreasing speed

Understand It with Pulse | Flag a mistake

2 **Why is alpha used in smoke alarms?**

- A it is stopped by smoke
- B it is not ionising
- C it is very penetrating
- D it has a long half-life

Understand It with Pulse | Flag a mistake

3 **Which electromagnetic waves are used for cooking food?**

A microwaves

B X-rays

C gamma rays

D ultraviolet

Understand It with Pulse | Flag a mistake

4 **A wave has a frequency of 4 Hz and a wavelength of 5 m. What is its speed?**

A 9 m/s

B 10 m/s

C 40 m/s

D 20 m/s

Understand It with Pulse | Flag a mistake

5 **A sample has a half-life of 10 years. After 20 years, what fraction remains?**

- A 1/8
- B 1/4
- C 3/4
- D 1/2

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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