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

Waves in Matter — 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 in a tray are used as a model for particles in a solid. What do the marbles show?**

- A particles are far apart from each other
- B particles move freely through space
- C particles flow past each other easily
- D particles vibrate in fixed positions

Understand It with Pulse | Flag a mistake

2 **A wave has a frequency of 10 Hz and a wavelength of 5 m. What is the wave speed?**

- A 55 m/s
- B 100 m/s
- C 50 m/s
- D 25 m/s

Understand It with Pulse | Flag a mistake

3 **Which type of radiation is used to cook food?**

A microwaves

B X-rays

C gamma rays

D ultraviolet

Understand It with Pulse | Flag a mistake

4 **A passenger aeroplane takes off. Which force lifts it up?**

A lift

B drag

C weight

D thrust

Understand It with Pulse | Flag a mistake

5 **A wristwatch is used to time a race. What is speed calculated from?**

A mass and time together

B time only, not distance

C distance only, not time

D distance and time

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.