ENGLAND GCSE PHYSICS OCR GATEWAY FOUNDATION · UNIT 5 · 10 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 **A guitar string is tightened. What happens to the pitch?**

- A it disappears
- B it rises
- C it falls
- D it stays the same

Understand It with Pulse | Flag a mistake

2 **A kite flies in the wind. Which force holds the kite up?**

- A weight
- B lift
- C drag
- D thrust

Understand It with Pulse | Flag a mistake

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

- A 25 m/s
- B 20 m/s
- C 40 m/s
- D 10 m/s

Understand It with Pulse | Flag a mistake

4 **Which type of wave is a sound wave?**

- A longitudinal
- B electromagnetic
- C standing
- D transverse

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5 **What do all electromagnetic waves travel at?**

A the speed of sound

B the speed of the wave

C different speeds

D the speed of light

Understand It with Pulse | Flag a mistake

6 **A passenger aeroplane cruises. Which force opposes its motion?**

A drag

B lift

C weight

D thrust

Understand It with Pulse | Flag a mistake

7 **Silver coins are made of the element silver. What is the chemical symbol for silver?**

A S

B Ag

C Sv

D Si

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8 **What type of wave is sound?**

A longitudinal

B transverse

C electromagnetic

D standing

Understand It with Pulse | Flag a mistake

9 **Why does light bend when it enters a different material?**

- A its speed changes
- B it becomes sound
- C its colour changes
- D it loses energy

Understand It with Pulse | Flag a mistake

10 **What happens to the focal length if a convex lens is made more curved?**

- A it becomes zero
- B it stays the same
- C it gets longer
- D it gets shorter

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. B
3. B
4. A
5. D
6. A
7. B
8. A
9. A
10. D

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