ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 23 · 10 QUESTIONS

Waves — 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 passenger aeroplane takes off. Which force lifts it up?**

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

Understand It with Pulse | Flag a mistake

2 **A set square is placed on a mirror. What happens to light hitting the mirror?**

- A it reflects
- B it refracts
- C it is absorbed
- D it passes through

Understand It with Pulse | Flag a mistake

3 **A Ferris wheel is at the top. What is the person's height like?**

- A at its greatest
- B at its smallest
- C unchanged
- D at zero

Understand It with Pulse | Flag a mistake

4 **A wave has a frequency of 4 Hz and a wavelength of 2 m. What is its speed?**

- A 6 m/s
- B 4 m/s
- C 16 m/s
- D 8 m/s

Understand It with Pulse | Flag a mistake

5 **A wave travels at 30 m/s with a wavelength of 2 m. What is its frequency?**

- A 30 Hz
- B 15 Hz
- C 60 Hz
- D 7.5 Hz

Understand It with Pulse | Flag a mistake

6 **A guitar string vibrates to make a sound. What type of wave is the sound wave?**

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

Understand It with Pulse | Flag a mistake

7 **What does sound need to travel through?**

A a vacuum

B a medium

C water only

D air only

Understand It with Pulse | Flag a mistake

8 **Which type of radiation is used to take images of bones?**

A ultraviolet

B microwaves

C X-rays

D infrared

Understand It with Pulse | Flag a mistake

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

A drag

B lift

C thrust

D weight

Understand It with Pulse | Flag a mistake

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

A 12 m/s

B 10 m/s

C 20 m/s

D 40 m/s

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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