ENGLAND GCSE PHYSICS AQA FOUNDATION · UNIT 6 · 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 to let Brett know so he can fix it.

1 **A guitar is plugged into an amplifier. What flows through the cable?**

- A light
- B electric current
- C sound waves travelling along it
- D water

Understand It with Pulse | Flag a mistake

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

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

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3 **How is ultrasound used in medicine?**

- A to see inside the body
- B to heat the body
- C to make X-ray pictures of bones
- D to cut skin

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

- A 3 m/s
- B 11 m/s
- C 12 m/s
- D 6 m/s

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5 **A set square is used to measure an angle of reflection. What is the angle of incidence equal to?**

- A the angle of reflection
- B half the angle of reflection
- C zero
- D double the angle of reflection

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6 **Which type of wave is a light wave?**

- A seismic
- B transverse
- C sound
- D longitudinal

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

A X-rays

B gamma rays

C ultraviolet

D microwaves

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

A gamma rays

B microwaves

C ultraviolet

D X-rays

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9 **A wave has a frequency of 20 Hz and a wavelength of 2 m. What is its speed?**

- A 40 m/s
- B 80 m/s
- C 20 m/s
- D 22 m/s

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10 **What is the speed of sound in air?**

- A 300000000 m/s
- B 1000 m/s
- C 150 m/s
- D 340 m/s

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ANSWER KEY

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

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