ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 4 · 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 sound waves travelling along it
- B electric current
- C light
- D water

Understand It with Pulse | Flag a mistake

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

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

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

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

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

- A mass and time together
- B distance only, not time
- C time only, not distance
- D distance and time

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5 **What is the wavelength of a wave?**

A the number of waves per second

B the height of the wave

C the time for one wave

D the distance between two peaks

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6 **What is an echo?**

A a reflected sound wave

B a high pitched sound

C a loud sound

D a refracted sound wave

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

A zero

B double the angle of reflection

C the angle of reflection

D half the angle of reflection

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

A 10 m/s

B 20 m/s

C 25 m/s

D 40 m/s

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9 **A wave travels at 10 m/s with a wavelength of 2 m. What is its frequency?**

- A 5 Hz
- B 2.5 Hz
- C 20 Hz
- D 10 Hz

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10 **What is the period of a wave?**

- A the time for one wave to pass
- B the number of waves per second
- C the height of the wave
- D the distance between peaks

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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