ENGLAND GCSE PHYSICS AQA HIGHER · 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 Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

- A zero speed
- B increasing speed
- C steady speed
- D decreasing speed

Understand It with Pulse | Flag a mistake

2 **A kite is held by a string. What force does the string exert?**

- A air resistance
- B tension
- C friction
- D gravity

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3 **A passenger aeroplane flies at a steady speed and height. What is the resultant force on the aeroplane?**

- A 5000 N
- B 0 N
- C 10000 N
- D 1000 N

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4 **Which type of radiation can cause sunburn?**

- A radio waves
- B microwaves
- C infrared
- D ultraviolet

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5 **What is the focal length of a lens?**

A the thickness of the lens

B the width of the lens

C lens to focus distance

D the distance to the object

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6 **A guitar string is tightened. What happens to the pitch?**

A it falls

B it stays the same

C it rises

D it disappears

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7 **A wave has a frequency of 5 Hz and a wavelength of 3 m. What is the wave speed?**

- A 15 m/s
- B 30 m/s
- C 20 m/s
- D 7 m/s

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

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

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9 **Which electromagnetic waves are used to take pictures of bones?**

A visible light

B infrared

C X-rays

D radio waves

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

A standing

B transverse

C longitudinal

D electromagnetic

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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