ENGLAND GCSE PHYSICS EDEXCEL FOUNDATION · 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 kite flies in the wind. Which force holds the kite up?**

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

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 unchanged
- C at its smallest
- D at its greatest

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

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

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4 **What is the unit of frequency?**

- A the metre
- B the hertz
- C the joule
- D the second

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5 **A wave travels at 40 m/s with a wavelength of 5 m. What is its frequency?**

- A 4 Hz
- B 8 Hz
- C 16 Hz
- D 200 Hz

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6 **A wave has a frequency of 5 Hz and a wavelength of 10 m. What is the wave speed?**

- A 100 m/s
- B 25 m/s
- C 55 m/s
- D 50 m/s

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

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

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8 **A wave has a frequency of 10 Hz and a wavelength of 4 m. What is its speed?**

- A 40 m/s
- B 20 m/s
- C 14 m/s
- D 80 m/s

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

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

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10 **A wave travels at 40 m/s with a wavelength of 10 m. What is its frequency?**

- A 4 Hz
- B 2 Hz
- C 400 Hz
- D 8 Hz

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# ANSWER KEY

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

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