Waves — Practice Test

Newfoundland and Labrador Physics 3204 • 10 questions

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 **Ultrasound has a frequency above the range of human**

A sight

B hearing

C touch

D speech

Understand It with Pulse | Flag a mistake

2 **The speed of sound is greater in solids than in gases mainly because particles in solids are**

A farther apart

B lighter

C closer together

D hotter always

Understand It with Pulse | Flag a mistake

3 **A wave with higher frequency and the same speed has a**

A longer wavelength

B larger amplitude

C smaller period only

D shorter wavelength

Understand It with Pulse | Flag a mistake

4 **Polarization is a property of transverse waves only, because longitudinal waves vibrate in the direction of**

- A travel
- B reflection
- C refraction
- D interference

Understand It with Pulse | Flag a mistake

5 **A wave has frequency 8 hertz and wavelength 5 metres. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A wave has speed 400 metres per second and frequency 200 hertz. Its wavelength in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A wave has frequency 25 hertz. Its period in seconds is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A string fundamental frequency is 80 hertz. Its fourth harmonic frequency in hertz is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A wave travels 900 metres in 3 seconds. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A wave has speed 1200 metres per second and wavelength 4 metres. Its frequency in hertz is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	40	**9.**	300
2.	C	**6.**	2	**10.**	300
3.	D	**7.**	0.04		
4.	A	**8.**	320		

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