PRINCE EDWARD ISLAND PHYSICS 11 · UNIT D

Waves — Practice Test

Prince Edward Island Physics 11 • 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 **A wave travels at 40 metres per second with frequency 8 hertz. What is its wavelength in metres**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A wave has period 0.05 seconds. What is its frequency in hertz**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Refraction is the bending of a wave when it changes**

- A medium
- B frequency
- C amplitude
- D direction only

Understand It with Pulse | Flag a mistake

4 **Sound needs a medium to travel through, while light can travel through a**

- A solid only
- B liquid only
- C vacuum
- D gas only

Understand It with Pulse | Flag a mistake

5 **Sound waves are an example of**

A longitudinal waves

B transverse waves

C electromagnetic waves

D surface waves only

Understand It with Pulse | Flag a mistake

6 **The bouncing of a wave off a surface is called**

A refraction

B diffraction

C transmission

D reflection

Understand It with Pulse | Flag a mistake

7 **The electromagnetic spectrum includes radio waves, microwaves, infrared, visible light, ultraviolet, X rays, and**

- A gamma rays
- B sound waves
- C water waves
- D seismic waves

Understand It with Pulse | Flag a mistake

8 **Wave speed equals frequency times**

- A amplitude
- B wavelength
- C period
- D height

Understand It with Pulse | Flag a mistake

9 **Wavelength is the distance between two successive**

A troughs only

B crests

C amplitudes

D frequencies

Understand It with Pulse | Flag a mistake

10 **A wave travels at 60 metres per second with frequency 12 hertz. What is its wavelength in metres**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	5.00	**5.**	A	**9.**	B
2.	20.00	**6.**	D	**10.**	5.00
3.	A	**7.**	A		
4.	C	**8.**	B		

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