

Worksheet: speed of a wave

Wavelength	Frequency
1.0 m	1.0 Hz
2.0 m	2.0 Hz
3.0 m	3.0 Hz
4.0 m	4.0 Hz
5.0 m	5.0 Hz

Frequency:

Wavelength:

- ☐ Use Worksheet
☐ Use Worksheet

- ☐ Speed
☐ Period
☐ Frequency
☐ Wavelength
 Wavelength
 Speed

Period
 Frequency
 Wavelength
 Speed

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Wavelength	Frequency	Speed	Period	Frequency
1.0 m	1.0 Hz	1.0 m/s	1.0 s	1.0 Hz
2.0 m	2.0 Hz	2.0 m/s	0.5 s	2.0 Hz
3.0 m	3.0 Hz	3.0 m/s	0.33 s	3.0 Hz
4.0 m	4.0 Hz	4.0 m/s	0.25 s	4.0 Hz
5.0 m	5.0 Hz	5.0 m/s	0.20 s	5.0 Hz

Calculate the speed of the wave for each wavelength and frequency. Use the formula $v = \lambda f$.

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