

Calculating Wave Speed

- 1.) Period = 5 seconds
Wavelength = 100m
Speed = ?
What type of wave is this most likely to be?
- 2.) Period = 20 seconds
Wavelength = 200 m
Speed = ?
What type of wave?
- 3.) Period = 10 seconds
Wavelength = 150 m
Speed = ?
What type of wave?
Disturbing force?
- 4.) Period = 10 min
Wavelength = 500 km
Speed in m/s?
What type of wave?
Disturbing force?
- 5.) Period = 120 min
Wavelength = 500 km
Speed in m/s?
What type of wave?
- 6.) Period = 12.5 hours
Wavelength = 20,000 km
Speed in m/s?
What type of wave
Disturbing force?
- 7.) Period = 0.5 hours
Wavelength = 200 km
Speed in m/s?

Answers: 1.) 20 m/s, wind 2.) 10 m/s, wind 3.) 15 m/s, wind 4.) 830 m/s, tsunami 5.) 69 m/s tsunami 6.) 444 m/s tidal 7.) 111 m/s tsunami