

Types of Waves

Transverse Longitudinal

Particles vibrate perpendicular to the direction of energy transfer

Examples: sound waves, seismic waves

Describing Waves

Amplitude - height of wave from middle to peak/trough	Speed = frequency x wavelength
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Amplitude is the maximum displacement of a wave

Time period - time it takes for 1 complete wave	Time period - $1/\text{frequency}$
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Frequency - number of waves that travel past a point in 1 second

The lower the frequency, the longer the time period



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