

WAVES:

a disturbance that transfers energy from one place to another without requiring matter to move the entire distance

LONGITUDINAL	TRANSVERSE	SURFACE
particle moves in the same direction the wave travels <i>EXAMPLE: sound</i>	particle moves perpendicular to the direction the wave travels <i>EXAMPLE: Light</i>	particle moves in a circular motion at the surface of the material. <i>EXAMPLE: Ocean waves</i>
		

PARTS OF A WAVE

CREST: HIGHEST POINT (PEAK) OF A WAVE

TRough: LOWEST POINT OF A WAVE

LINE OF EQUILIBRIUM:



Origin

WAVELENGTH

The distance for a wave to complete one cycle - crest to crest, trough to trough or one complete crest and trough.



A symbol for wavelength

AMPLITUDE

The distance between the crest or trough of a wave and the line of equilibrium.



FREQUENCY

The number of wavelengths that pass a fixed point in a given amount of time
a of cycles per second



LOW FREQUENCY
HIGH FREQUENCY

measured in Hertz (Hz)

Physics Revision Notes Waves Lanther

Christian Drosten



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