

### 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

Amplitude is the maximum displacement of a wave

Time period - time it takes for 1 complete wave      Time period - 1/frequency

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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