

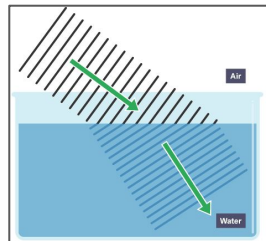
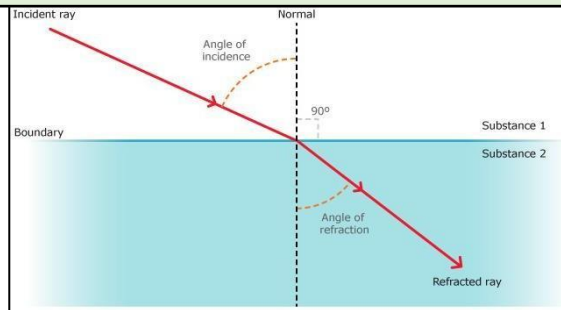
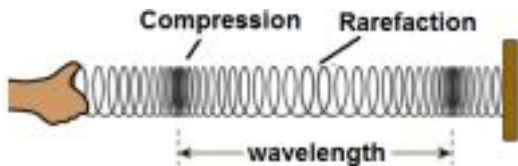
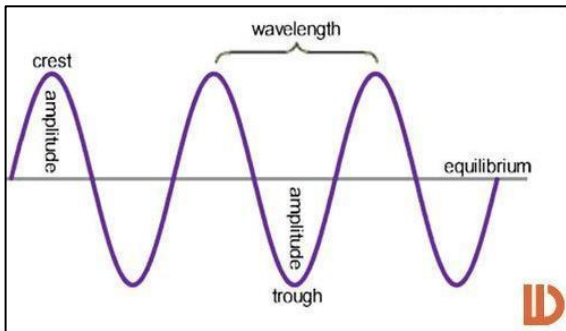
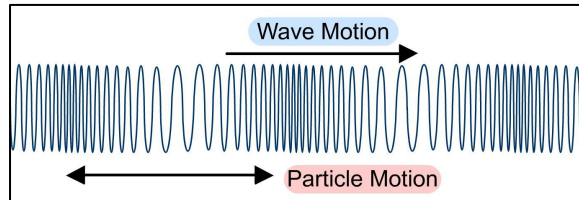


Absorb	When the energy of an EM wave is taken up by an object.
Absorbed	Energy is 'taken-in' by the material & the internal energy of the material will increase.
Amplitude	Maximum height of a wave from the middle of the wave to its peak or trough.
Angle of Incidence	Angle between the normal & incident ray
Angle of reflection	Angle between the reflected ray & the normal.
Rarefactions	Stretched out region of a longitudinal wave where the particles are closest together.
Compression	the particles in areas of compression are closer together than on average.
Scattering	When light is reflected off a surface in all directions.
Dispersion	Spreading out of the different wavelengths of light, caused by refraction as it passes through a prism.
Echo	A sound caused by the reflection of a sound wave from a smooth surface back to the listener.
Hertz	Unit of Frequency
Frequency	Number of waves passing a certain point each second - hertz

Incident Ray	Light rays moving towards a surface or boundary.
Law of reflection	Angle of incidence equals the angle of reflection.
Longitudinal Waves	Waves with oscillations that are parallel
Medium	Substance that carries a wave from one location to another.
Normal	An imaginary line at right angles to the boundary between air/glass.
Oscillation	Vibration.
Period	Time needed for one wave to pass a given point.
Pitch	Frequency of a sound.
Rarefaction	Region in a longitudinal wave where the particles are farthest apart.
Ray diagram	Diagram that represents the direction & angle of travel of light.
Reflect	Wave bounces off a surface
Refraction	Changing of speed & the direction of a wave as it changes medium.
Seismic Waves	Waves that are produced by earthquakes.
Transmit	When a wave is able to pass through a material.
Transverse Waves	Waves with oscillations that are perpendicular to travel
Ultrasound	Sound with a frequency greater than 20,000 Hz - above hearing
Vacuum	A volume that contains no matter.
Vibrations	Repeated movements back & forth (about a fixed point).



Longitudinal Wave



Transverse Wave

