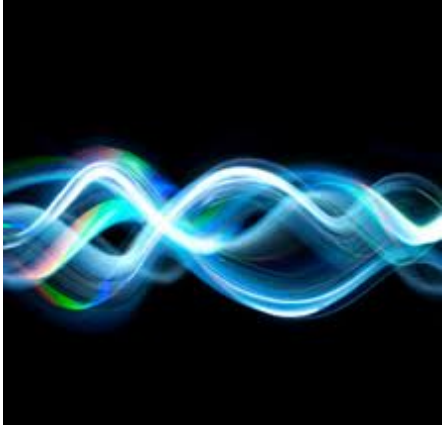
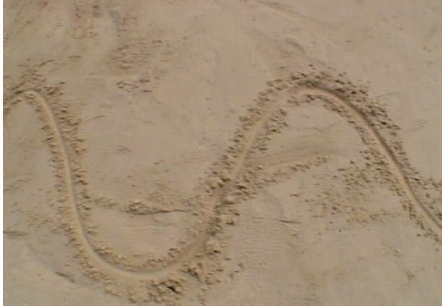
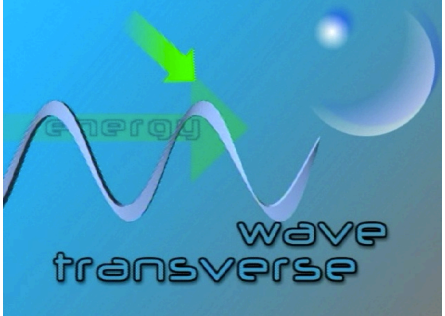

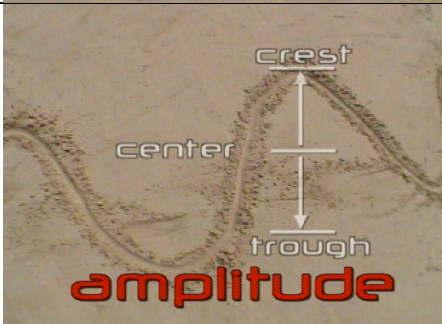

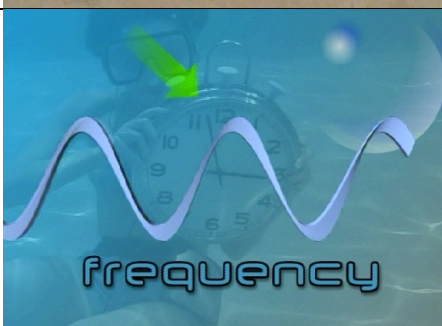

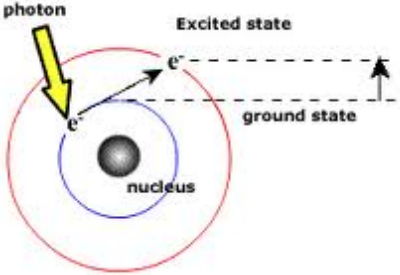
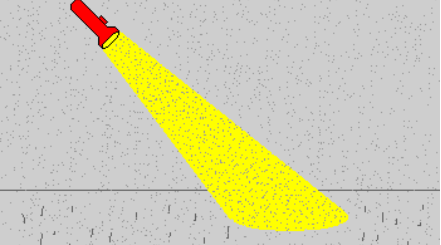


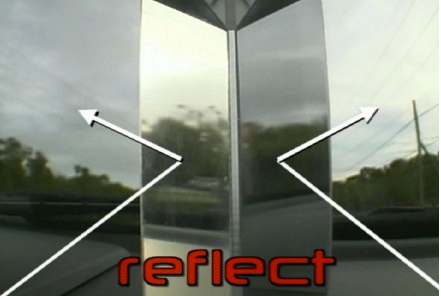



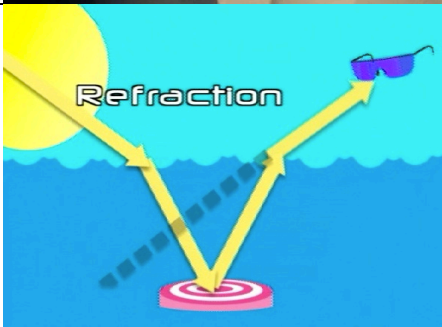

 <p>Electromagnetic Spectrum</p> <p>Visible Light</p>	<p><b>light</b> - Is electromagnetic radiation that is visible to the human eye</p>
	<p><b>wave</b> - a vibration or disturbance that moves energy through a medium or space. It cannot exist in one place but must extend from one point to another</p>
	<p><b>medium</b> - the material through which a wave travels</p>
 <p>energy</p> <p>wave transverse</p>	<p><b>transverse wave</b> - a type of wave, describing how it moves, moving up and down as it transfers energy forward</p>

	<p><b>crest</b> - the high point of a wave and <b>trough</b>, which is the low point of the wave</p>
	<p><b>amplitude</b> - the size of a wave, referring to the distance between the center of a wave and its crest or trough</p>
	<p><b>wavelength</b> - measurement of the distance between two consecutive crests or troughs. Electromagnetic radiation with the highest energy transfer has the shortest wavelengths</p>
	<p><b>frequency</b> - measurement of the number of waves that pass an established point in a given amount of time</p>
	<p><b>electromagnetic spectrum</b> - the full range of radiation waves arranged in order of wavelength</p>

	<p><b>photon</b> - a particle of light energy</p>
	<p><b>ray</b> - the form in which certain light waves on the electromagnetic spectrum travel in a given direction.</p>
	<p><b>transmit</b> - the action of light passing through a medium</p>
	<p><b>absorb</b> - the action of light changing into heat energy when entering a medium</p>
	<p><b>reflect</b> - the action of light bouncing off of a medium</p>

 <p><b>Opaque</b></p>	<p><b>opaque</b> - a medium which blocks light or does not permit light rays to enter</p>
 <p><b>Transparent</b></p>	<p><b>transparent</b> - a medium which allows light to pass through eg. window</p>
 <p><b>Translucent</b></p>	<p><b>translucent</b> - a medium which only partially blocks light eg. sheer curtains</p>
 <p><b>Refraction</b></p>	<p><b>refraction</b> - the bending of light rays as they enter a new medium</p>
 <p><b>Color Spectrum</b></p>	<p><b>colour spectrum</b> - The range of wavelengths in visible light that are identified by the human eye as colours. ROY G BIV is the acronym to help you remember the order!</p>

