

Concave lens

Laser

Convex lens

Light

Crest

Light waves

Electromagnetic  
spectrum

Opaque

Infrared light

Prism

<p>A concentrated beam of light,made of just one type of light</p>	<p>A lens that is curved inward;bends light outward</p>
<p>A form of energy that travels in straight lines from its source in waves (commonly called "rays")</p>	<p>A lens that is curved outward;bends light inward</p>
<p>Are characterized by their wavelength (red has the longest and violet has the shortest)</p>	<p>The top of one wavelength</p>
<p>Allows no light to pass through an object (shadows may be cast by opaque objects)</p>	<p>The full range of electromagnetic waves from longest to shortest (radio waves (longest wavelength),microwaves,infrared waves,visible light,ultraviolet light ,x-rays, and gamma rays(shortest wavelength) )</p>
<p>Refracts visible light so that the rays are bent and separated into the colors of the spectrum</p>	<p>Invisible light felt as heat (the sun)</p>

Reflected

Transparent

Refracted

Trough

ROYGBIV

Ultraviolet light

Translucent

Visible spectrum

Transmitted

Wavelength

<p>Allowing most light to pass through an object</p>	<p>Light that bounces off an object or surface (such as a mirror)</p>
<p>The bottom of one wavelength</p>	<p>Light that is bent as its path is changed (such as when light passes through different objects like a lens or water)</p>
<p>Invisible light to humans (causes sunburns and suntans)</p>	<p>The colors of white light broken down by wavelengths in order from longest to shortest (red, orange, yellow, green, blue, indigo, violet)</p>
<p>Light that appears white because of different wavelengths traveling together (the light people can see )</p>	<p>Allowing some light to pass through an object (the image will be distorted)</p>
<p>The distance from one crest to another crest, or the distance between one trough to another trough</p>	<p>Light passed through an object</p>