

## Spelling list: 8J Light

Science 8J Light topic key words.

opaque	I cannot see through the door because it is <b>opaque</b> .
ray	When a light <b>ray</b> hits an object and reflects off.
reflect	The light will <b>reflect</b> from the white walls.
shadow	An area behind an object where there is no light, casts a <b>shadow</b> .
translucent	<b>Translucent</b> material lets some light pass through it but not all of it.
transmit	Light can <b>transmit</b> through transparent materials.
transparent	A material like glass which allows light to pass through it without shattering is <b>transparent</b> .
transverse	Amplitude is the height of a wave crest or a wave trough of a <b>transverse</b> wave from the rest position.
vacuum	A completely open space, containing no particles, is a <b>vacuum</b> .
incidence	Angle between the ray of <b>incidence</b> and the normal line.
reflection	A copy of an object that is seen in a mirror is a <b>reflection</b> .
normal	The <b>normal</b> is an imaginary line at right angles to the surface of a mirror or other object where a ray of light hits it.
plane	A <b>plane</b> , smooth, flat mirror.
diffuse	Light rays <b>diffuse</b> in all directions from a rough surface.
specular	Light rays reflect evenly from from a smooth surface. Mirrors produce <b>specular</b> reflection.
refraction	<b>Refraction</b> is the change in direction when light goes from one transparent material to another.

lens	This camera has got a long <b>lens</b> for taking photos of things from a long way away.
cornea	The <b>cornea</b> is a transparent part of the eye which covers the iris and pupil.
dispersion	<b>Dispersion</b> happens when light separates into the spectrum, as it passes through a prism.
spectrum	The seven colours which make up white light are the <b>spectrum</b> .