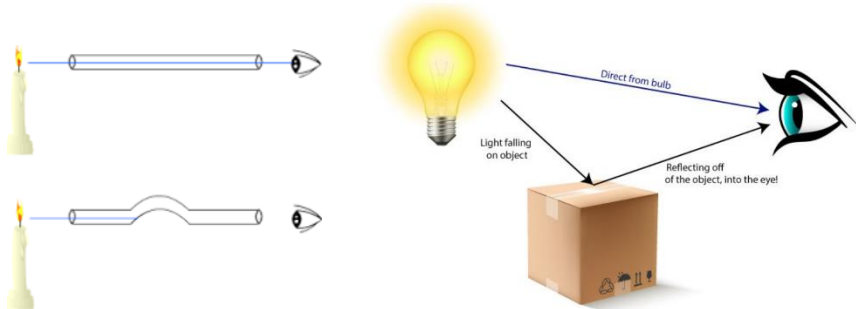




# Year 6 - Spring 1 - Light



## Key Facts

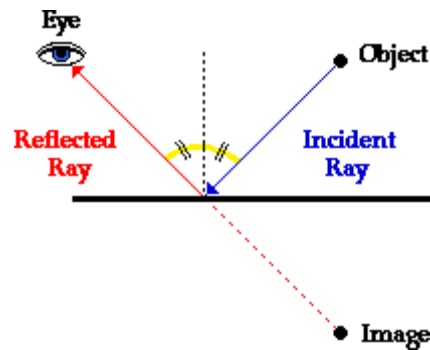
Light rays travel in straight lines.

Light rays travel directly from **luminous objects** into our eyes. Light rays are reflected off **non-luminous objects** so that we can see them.

Light travels as a wave, like sound. However, unlike sound, light does not need a medium to travel through so can travel through a vacuum.

Isaac Newton shone a light through a transparent prism, separating out light into the colours of the rainbow - the colours of the visible spectrum.

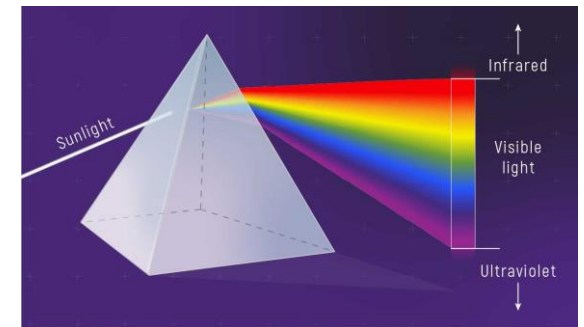
All the colours in the visible spectrum merge together to make light.



Empty Glass + Pencil



Glass + Water + Pencil



## Key Vocabulary

<b>Emit</b>	To give off e.g. to give off light.	<b>Refraction</b>	When light bends when it travels through one transparent medium to another e.g. through air to water.
<b>Incident ray</b>	A ray of light that hits a surface.	<b>Visible spectrum</b>	Light that is visible to the human eye. It is made up of a colour spectrum.
<b>Reflected ray</b>	A ray of light that bounces off a surface.	<b>Luminous objects</b>	Something that emits visible light.
<b>The Law of Reflection</b>	The angle at which the ray hits the surface is equal to the angle at which the ray bounces off the surface.	<b>Non-luminous objects</b>	Something that does not emit visible light.