

Light

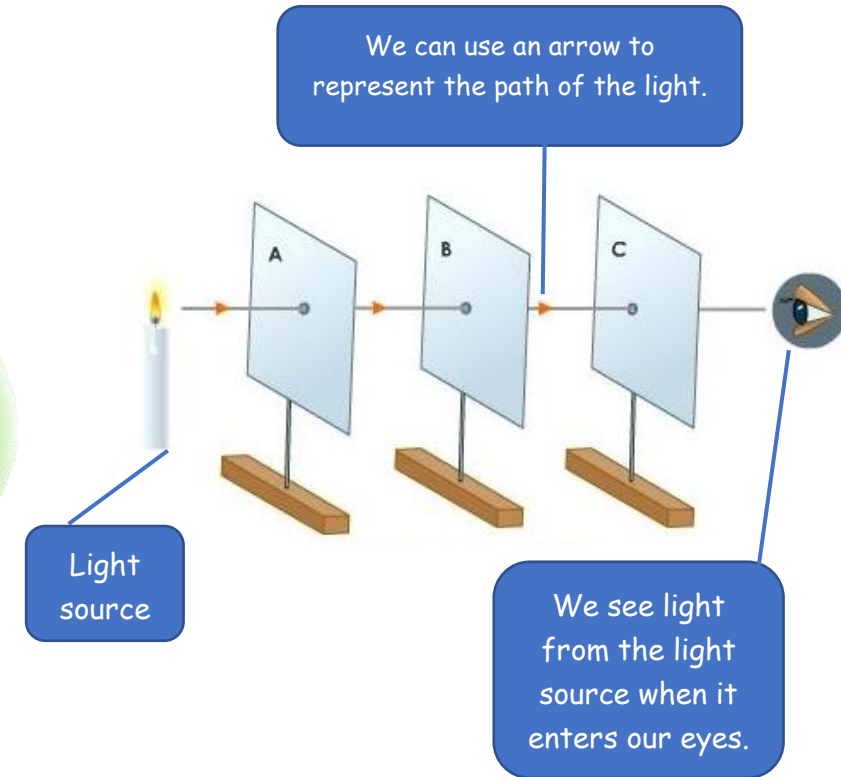
Key vocabulary

Dark	The absence of light
Light Ray	An imaginary line that represents the line of light.
Light Source	A natural or artificial source of light.
Opaque	Light cannot travel through the objects; it blocks light and causes shadows.
Reflect	To throw back light from a surface, bounces back.
Shadow	A dark area created where light from a light source is blocked by an object. The object blocking the light will be opaque or translucent
Shiny	Reflects light, does not create it.
Straight Lines	Light travels in straight lines
Translucent	Allows some light to travel through it.
Transparent	Allows light to travel through it.

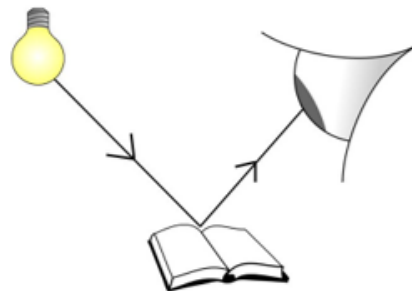
Light sources



Light travels in a straight line



For objects that are not a light source, light must be reflected from the object into our eye for us to see the object:



Because light travels in straight lines, when it hits an object, it is blocked. It can't bend around the object, so it casts a shadow.



A mirror is not a light source. It reflects light so doesn't create it