

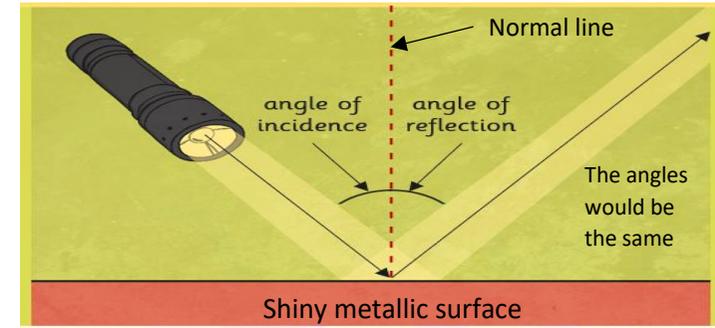
Key vocabulary

light source	A natural or artificial source of light.
straight lines	Light travels in straight lines.
light ray	Each line of light travelling in a straight line from its place of origin.
reflect	To throw back light from a surface.
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.
transparent	Allows light to pass through completely
opaque	not able to be seen through; not transparent
translucent	Light may pass through the material but images on the other side of that material are not clearly seen.

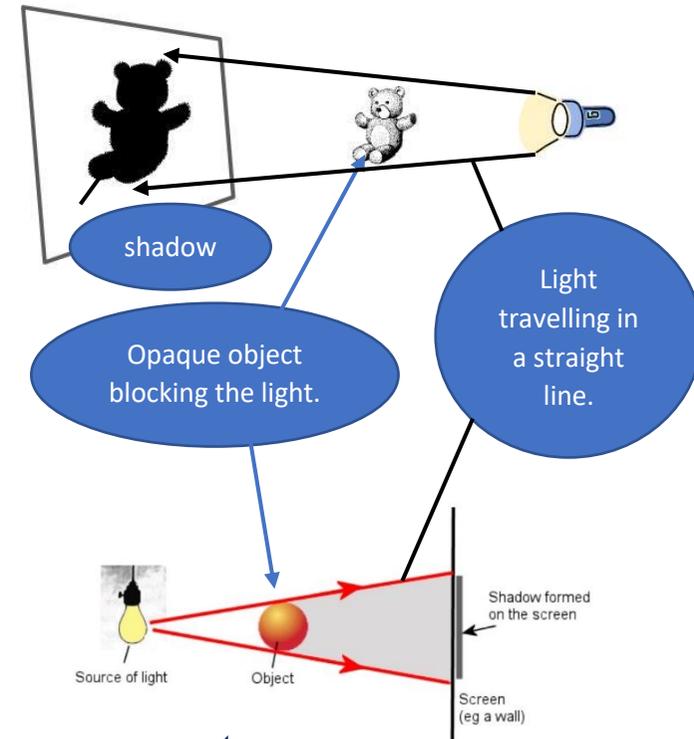
Light - Year 6

Key vocabulary (continued)

Angle of incidence	The angle between the beam of light from the light source and the normal line (see diagram right).
Angle of reflection	The angle between the reflected beam of light and the normal line. (see diagram right).
Periscope	An instrument to look at things from a hidden position.
Spectrum	You can use a prism to split (or disperse) white light into a <u>spectrum</u> of colours.

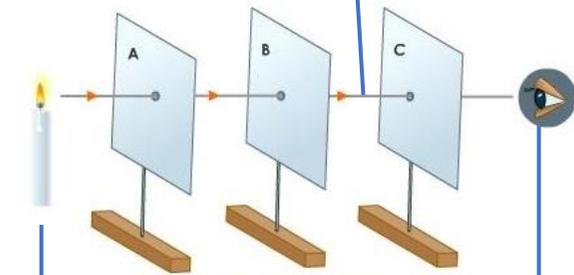


Shadows have the same shape as the objects that cast them:



Light travels in a straight line:

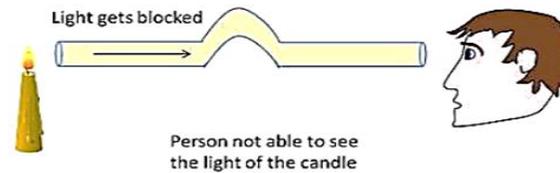
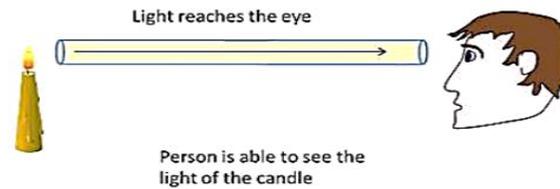
We can use an arrow to represent the path of the light.



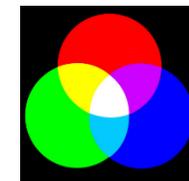
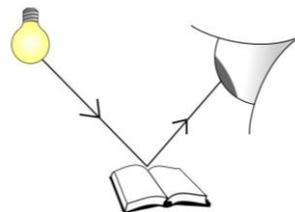
Light source

We see light from the light source when it enters our eyes.

Light may come directly from a light source.



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



The SPECTRUM of colours - red, orange, yellow, green, blue, indigo and violet.