

Light Knowledge Organiser

Key Vocabulary

dark	The absence of light.	reflection	The process where light hits the surface of an object and bounces back into your eyes.
light	A form of energy that travels in a wave from a source.	retina	The layer at the back of our eyeball that receives the light and helps us see.
light source	Something that makes its own light.	shadow	An area of darkness where light has been blocked by an object.
opaque	Objects or material that does not let light pass through.	solid	A substance which keeps its shape unless force is applied to it.
pupil	The black part of our eye which lets light in. It can get bigger and smaller to control how much light goes into our eyes.	translucent	A material that lets some light pass through it but we cannot see through it very easily.
ray	Waves of light are called light rays. They travel in a straight line.	transparent	A material that all light to pass through it easily.

Key Facts

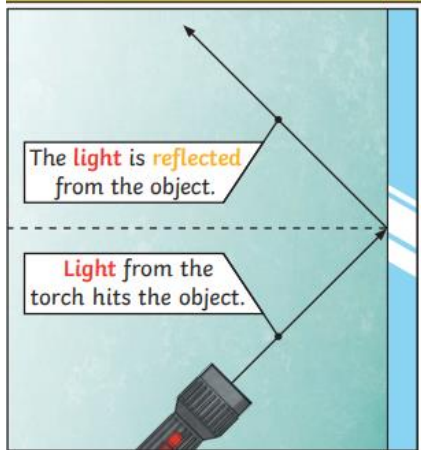
We need light to be able to see things. Light travels in straight lines, when it hits an object, it is reflected into our eyes and we see it. Some objects reflect more light than others.

Mirrors reflect light very well so we see a very clear image. Surfaces that are smooth, shiny and flat are the most reflective.

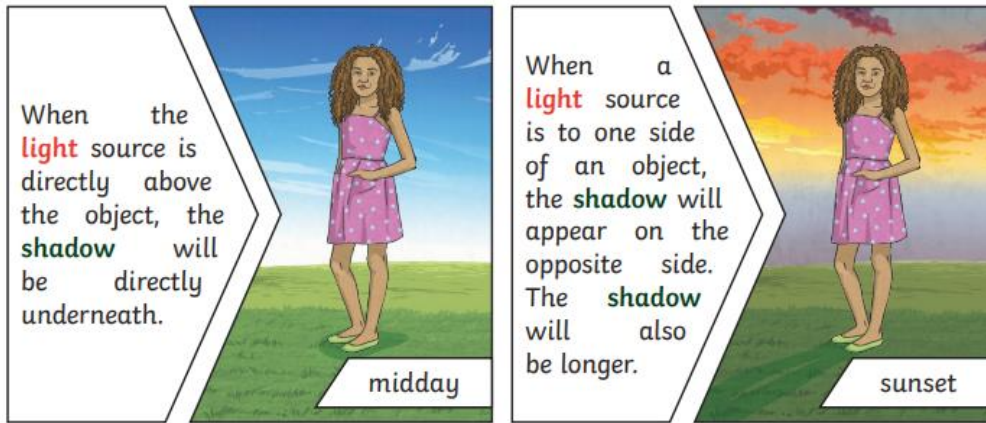
The pupils in our eyes control the amount of light entering our eyes. If too much light enters our eyes, it can damage the retina. It is a good idea to wear sunglasses on a sunny day.

A shadow is larger when the light source is closer to an object, and smaller when it is further away.

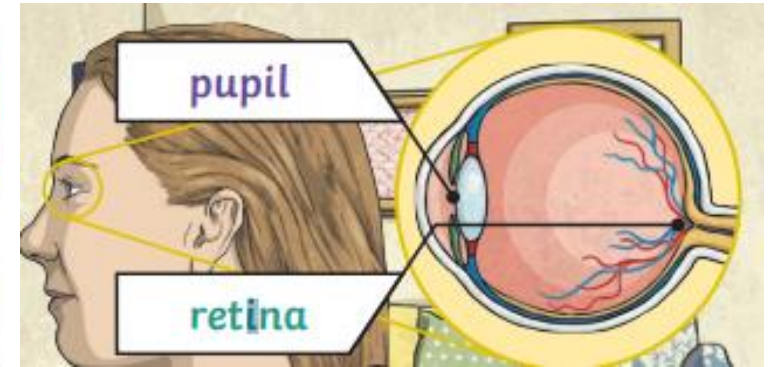
Reflection



Shadows



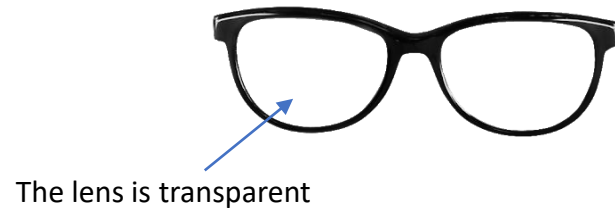
Human Eye



Useful reflective materials



Transparent



Translucent



Opaque



Tier 2 Vocabulary
