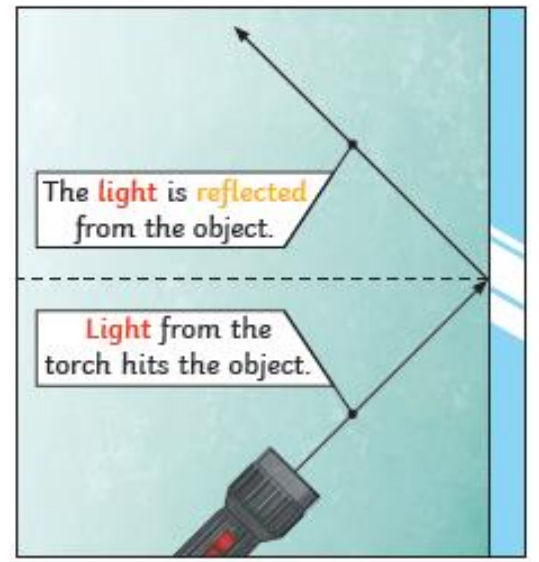


# Key Vocabulary

Light	A form of energy that travels in a wave from a source.
Light Source	An object that makes its own light
Dark	The absence of light
Reflection	The process where light hits the surface of an object and bounces back into our eyes.
Reflect	To bounce off
Reflective	The process where light hits the surface of an object and bounces back into our eyes.
Ray	Waves of light are called light rays. They can also be called beams.
Pupil	The black part of the eye which lets light in.
Retina	A layer at the very back of the eye. The retina takes the light the eye receives. It then changes it into nerve signals to send to the brain.
Shadow	An area of darkness where light has been blocked.
Opaque	Describes objects that do not let any light pass through them.
Translucent	Describes objects that let some light through but scatter the light so we can't see through them properly.
Transparent	Describes objects that let light travel through them easily, meaning that you can see through the object.

## Year 3 Science- Light

We need light to be able to see things. Light travels in a straight line. When light hits an object, it is reflected (bounces off). If the reflected light hits our eyes, we can see the object. Some surfaces and materials reflect light well. Other materials do not reflect light well. Reflective surfaces and materials can be very useful.



The pupils control the amount of light entering the eyes. If too much light enters, then it can damage the retina. To help protect the eyes, you can wear a hat with a wide brim and sunglasses with a UV rating.

Mirrors reflect light very well, so they create a clear image. An image in a mirror appears to be reversed. For example, if you look in a mirror and raise your right hand, the mirror image appears to raise its left hand.

A shadow is caused when light is blocked by an opaque object. A shadow is larger when an object is closer to the light source. This is because it blocks more of the light.

