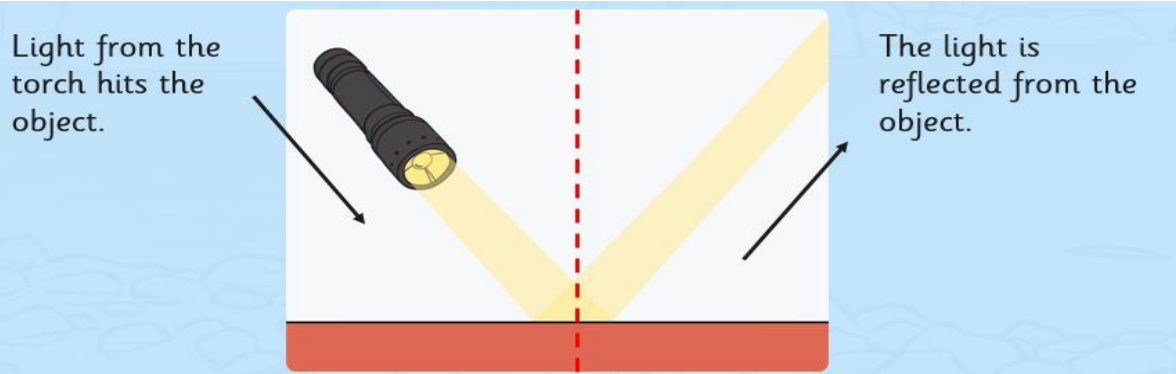


Reflections

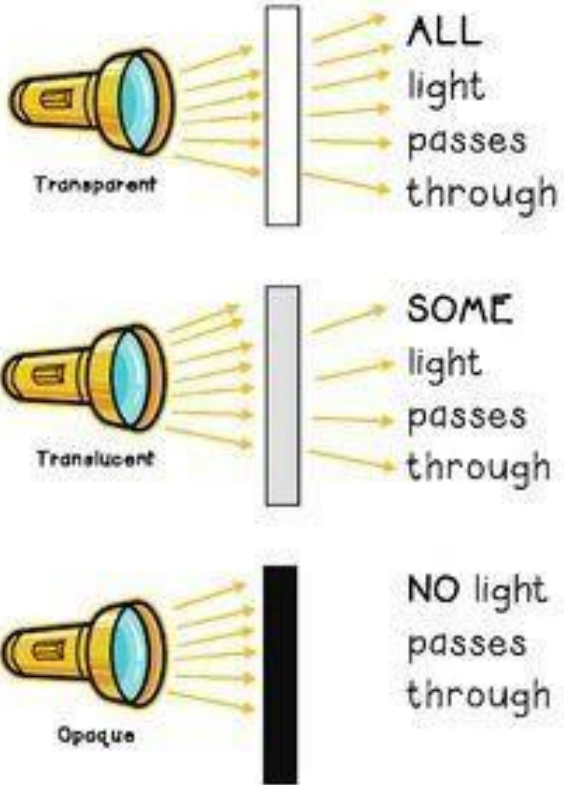
Middlethorpe Primary Knowledge Organiser Year 3 – Light



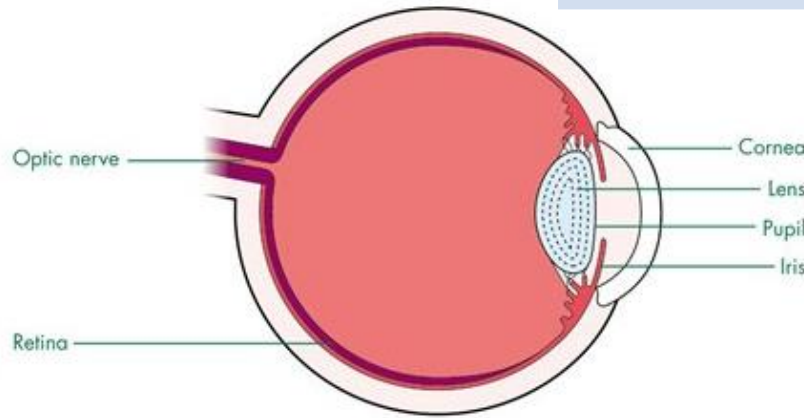
Dangers of Sunlight
Too much light can damage the retina.
It causes pain, so that you instantly close your eyes.
Eye safety.
Wear sunglasses when out in the sun to protect your eyes.
Wear a hat with a wide brim to protect your eyes.
Have regular eye tests.

Vocabulary Dozen	
Shadow	A dark shape that appears on a surface when someone or something moves between the surface and a light of source.
Light source	Place or thing where light originates from.
Reflect	To move in one direction, hit a surface and then quickly move in a different direction.
Opaque	If an object is opaque you cannot see through it.
Transparent	If an object is transparent you can see through it.
Translucent	If an object is translucent some light can pass through it.
UV light	Cannot be seen by the human eye, and is a type of electromagnetic radiation.
Pupil	The dark circular part at the centre of the iris in the eye, where light enters.
Cornea	The transparent skin covering the outside of the eye.
Iris	The round coloured part of the eye.
Lens	The part behind they pupil that focuses on light and helps you to see clearly.
Mirror	A flat piece of glass that reflects light, so you can see objects reflected in it.

Translucent, Transparent & Opaque



Structure of the eye.



Facts about light

Light travels at around 186,282 miles per second.
It takes just over 8 minutes for light to get from the sun to the Earth.
When objects block light, it forms shadows.
You need light to be able to see.
Darkness is the absence of light.
Shadows can change shape.