

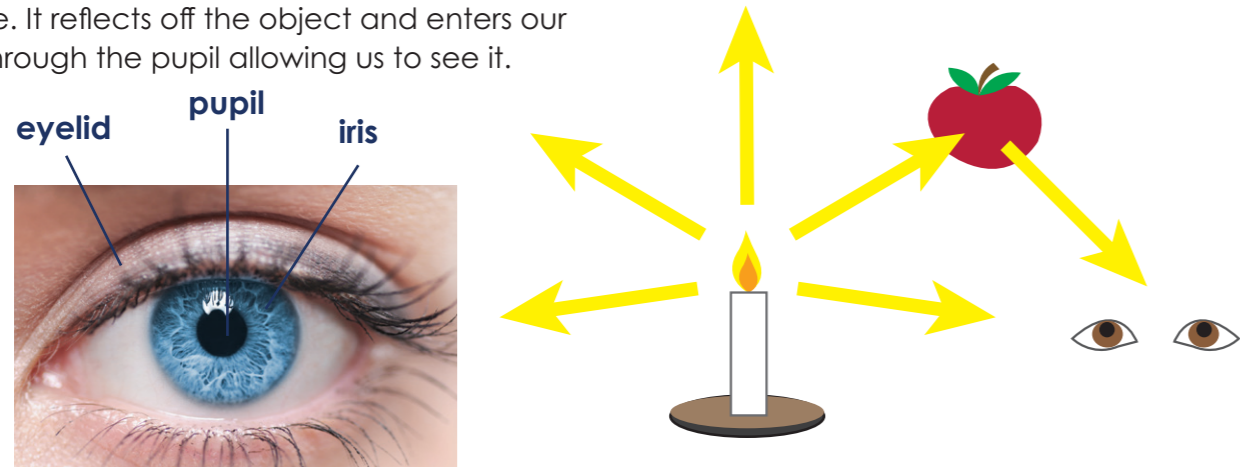


Glossary

1	<b>light source</b>	an object that emits light
2	<b>emit</b>	gives out
3	<b>reflect</b>	when a light hits a surface and bounces off
4	<b>rotate</b>	turn around on its axis
5	<b>Ultraviolet (UV) light</b>	a form of radiation which is not visible to the human eye
6	<b>SPF</b>	the sun protection factor in sun cream
7	<b>pupil</b>	small dark opening in the centre of the eye
8	<b>reflective</b>	capable of reflecting light
9	<b>non-reflective</b>	not capable of reflecting light
10	<b>transparent</b>	an object or substance which allows all light to pass through it
11	<b>translucent</b>	an object or substance which allows some light to pass through it
12	<b>opaque</b>	an object or substance which prevents light from passing through it
13	<b>plane</b>	flat mirror that results in an almost identical image being reflected
14	<b>concave</b>	a mirror that curves inwards making objects appear larger
15	<b>convex</b>	a mirror that curves outwards, showing a wider image
16	<b>mirror</b>	a surface that reflects a clear image
17	<b>periscope</b>	an instrument to see things that are not in the direct line of sight
18	<b>sundial</b>	a device used outside to tell the time of day
19	<b>shadow</b>	a dark shape appearing on a surface when an object blocks a surface and a light source
20	<b>darkness</b>	a lack of light

How we see

Light travels in a straight line from a light source. It reflects off the object and enters our eye through the pupil allowing us to see it.



Night and Day

The Earth **rotates** (or spins) on an imaginary line called its **axis** which causes some parts of the planet to face towards the Sun and some parts to face away from it.



Shadows

A brighter light source forms a clearer, more defined shadow. The closer an object is to a light source, the wider the shadow becomes.



Mirrors

**Convex** mirrors curve outward, like a dome.

**Concave** mirrors curve inward, like a bowl.

**Plane** mirrors are flat and reflect an almost exact image.



The Sun

Human skin produces vitamin D when exposed to sunlight. This vitamin is important to keep bones healthy.

UV rays are dangerous and can cause sunburn, wrinkles and skin cancer.

