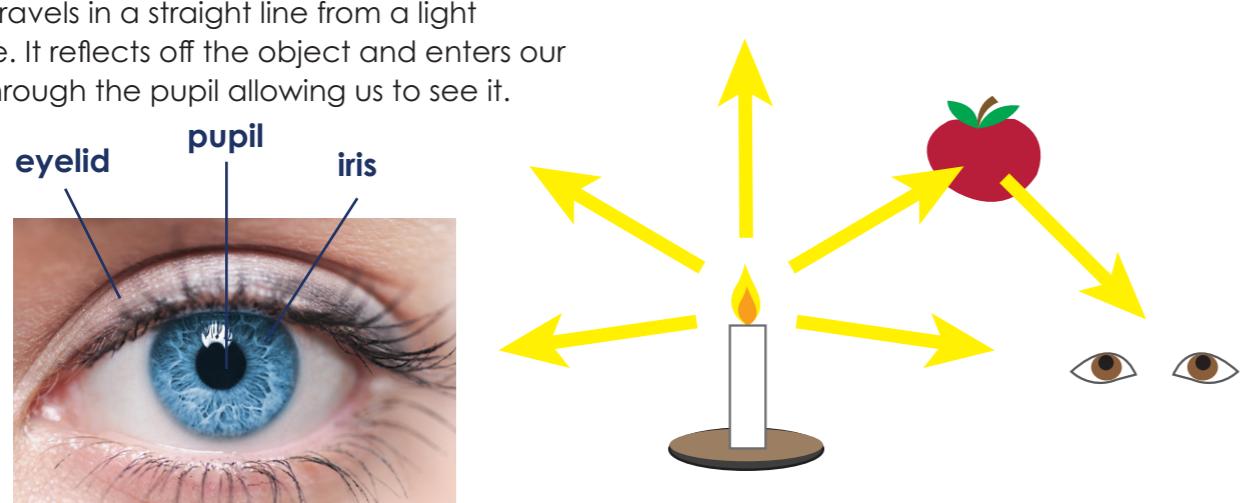


Glossary

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

