

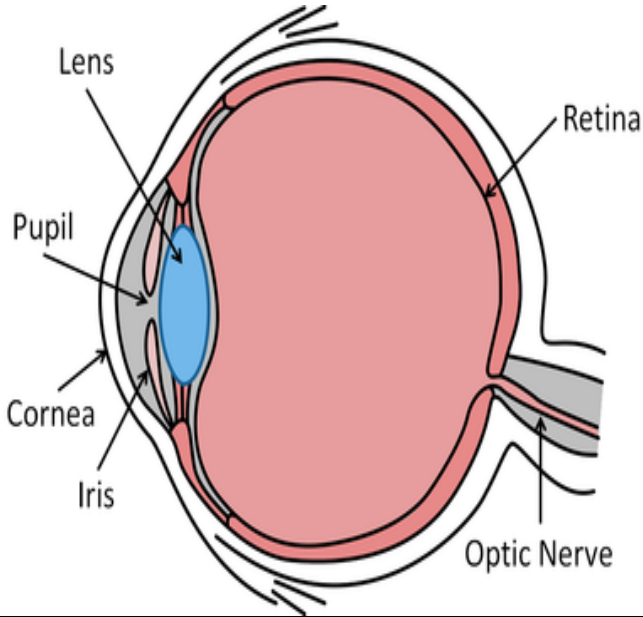


Key Vocabulary	
Light source	A light source is anything that makes light. There are natural and artificial light sources.
Light ray	Light is an electromagnetic wave and the straight line paths followed by narrow beams of light, along which light energy travels , are called rays
shadow	the dark figure cast upon a surface by a body intercepting the rays from a source of light.
refraction	Refraction is the bending of light (it also happens with sound, water and other waves) as it passes from one transparent substance into another.
transparent	allowing light to pass through so that objects behind can be <u>distinctly</u> seen.
translucent	allowing light, but not detailed shapes, to pass through; semi-transparent.
opaque	not able to be seen through; not transparent
cornea	The transparent part of the eye that covers the iris and the pupil and allows light to enter the inside.
pupil	The round opening in the center of the iris (the colored tissue that makes the "eye color" at the front of the eye). The pupil changes size to let light into the eye. It gets smaller in bright light and larger as the amount of light decreases.
iris	The colored tissue at the front of the eye that contains the pupil in the center
lens	the sole function of which is to focus light rays onto the retina.
reflection	the throwing back by a body or surface of light, heat, or sound without <u>absorbing</u> it.

Light: Year Five/Six—Cycle B

Sticky Knowledge

- Light travels from a source
- Light travels in straight lines
- When light is blocked a shadow is formed
- Reflections can be seen on shiny surfaces
- The human eye is made up of the pupil, cornea, lens and retina
- The four main light sources are the sun, fire, bulbs and stars.



Resources

- Switched on Science worksheets and Powerpoint
- Torches
- Mirrors
- Chalk

Key Skills

- **To present data in a variety of ways**
- **Draw and label a diagram accurately**
- **To design and plan a fair test**
- **Choose correct measuring equipment to measure accurately.**

