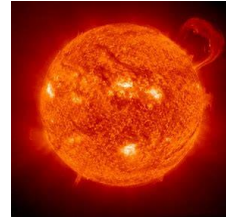


Science- Light optics Year 4






Light the natural agent that stimulates sight and makes things **visible**.

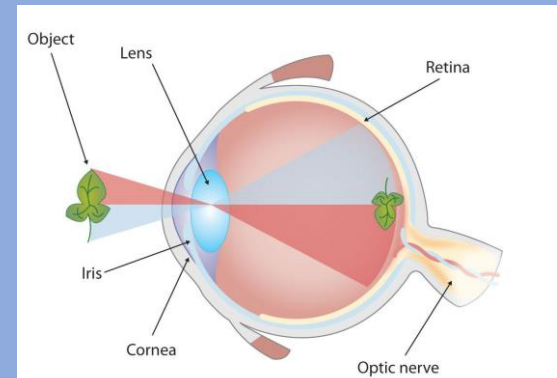
Light comes from a light **source**



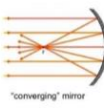
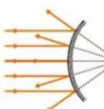
Key vocabulary	Definition
Light	A type of energy that makes it possible for us to see.
Optic	The study of light
Reflection	Light can be reflected when it bounces off a surface, rather than being absorbed.
White light	A mixture of many different colours, each with a different frequency.
Lens	A curved, refracting surface which changes the light travelling through it.
Convex	Rays of light that pass through the lens are brought closer together
Magnify	To enlarge in fact or appearance
Telescope	An object with a lens to help us see far away things.
Microscope	An object with a lens which helps us see very small things.

Key Vocabulary		Definition
Transparent		A property of a material that allows light to travel through it
Opaque		A property of a material that does not allow light through it
Translucent		Not clear material, however, allows some light to pass through.

How does the human eye work? - BBC Bitesize



Mirror: a surface, typically of glass coated with a metal amalgam, which **reflects** a clear image.

Concave Mirror		When a mirror is bent inwards – the image looks bigger
Convex Mirror		When a mirror is bent outwards – the image looks smaller



A **prism** separates white light into the **spectrum**: red, orange, yellow, green, blue, indigo and violet.

