

Light

Key Vocabulary

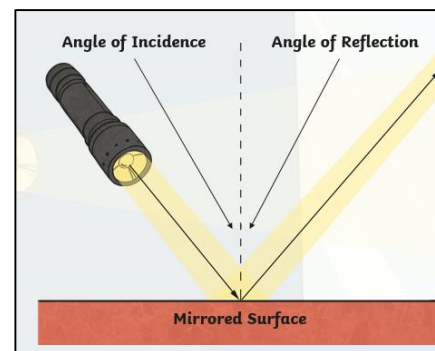
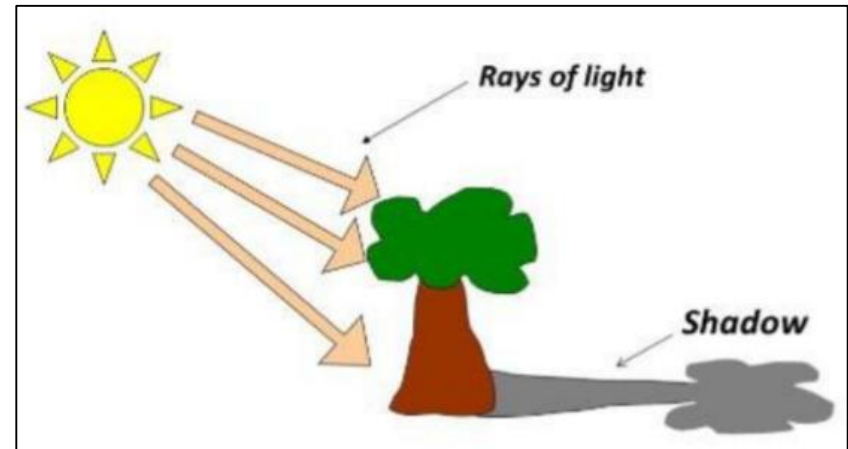
eyes	Globular organs of sight in the head of humans and vertebrate animals
light	The natural agent that stimulates sight and makes things visible
light source	Something that provides light, whether it be a natural or artificial source of light (e.g. the sun, a torch)
filter	Pass through a device to remove unwanted material
periscope	An apparatus consisting of a tube of attached to a set of mirrors or prisms through which an observer can see things that are otherwise out of sight
rainbow	An arch of colours visible in the sky, caused by the refraction and dispersion of the sun's light by rain or other water droplets in the atmosphere
reflection	The throwing back by a body or surface of light, heat or sound without absorbing it
refraction	The bending of light as it passes from one substance to another with the bending caused by the difference in density between two substances
shadow	A dark area or shape produced by a body coming between rays of light and a surface
spectrum	A band of colours, as seen in rainbows, produced by separation of the components of light by their different degrees of refraction

Key knowledge

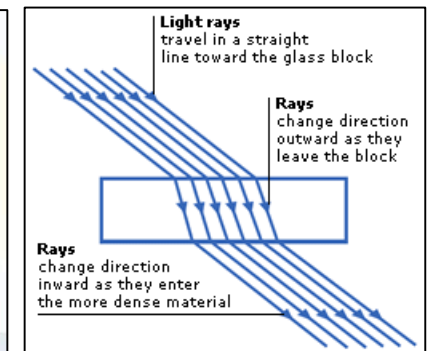
Pupils are the black hole in the centre of the coloured part which lets light in

A rainbow occurs when sunlight hits rain and refracts splitting the light into its colours

Symmetry is when one shape becomes exactly like another if you flip, slide or turn it. The simplest form of symmetry is reflection



Reflection



Refraction