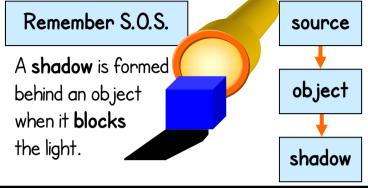
How We See Things Fact Sheet The filament in a These sunglasses are Remember S.O.S. source light bulb translucent - some A **shadow** is formed becomes **hot** as. light passes through them. object behind an object the electrical These notes



current passes through it, and then it glows to create light.



fluoresce when a UV light is shone on them.





Reflections are all around us. We see buildings and other items are reflected in lakes, rivers and other natural reflective surfaces. A kaleidoscope uses two

mirrors to produce a pattern of images. Two mirrors angled at 45° enable us to see around corners using a periscope.

Many things contain lenses e.g. magnifying glasses, microscopes, spectacles, cameras and eyes!

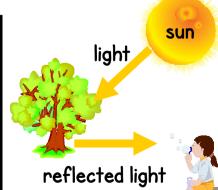
This bowl is **opaque** - **no** light passes through it and you can't see through it.

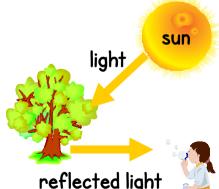


We see objects around us because **light** from a light source is reflected from them into our eyes



A lit candle is a light source The candle vapour burns to produce light. The candle flame is luminous.















































How We See Things Glossary mirror - a polished surface which reflects light **block** - to interrupt the light causing a shadow fluorescent - property of a material that is able to opaque - not see-through - lets no light through at all store light energy and then to glow periscope - a device that uses a series of mirrors to enable the viewer to look around corners. image - the picture formed in a mirror or made by a lens

lens - a transparent object, that allows light to pass reflection - the process where light bounces off a through it, but will bend the light on its way through material

light - a kind of energy that we can see - the glow **shadow** - the area of darkness formed when an object produced by something hot blocks light

light rays - the beams of light that come from a light **translucent -** not see-through. Lets some light pass source - they travel in straight lines through

light source - the place where light begins transparent - see-through. Lets all light pass through

luminous - property of something that is a light source e.g. a lighted candle

microscope - a device used to focus light through a lens in order to magnify the image

through a glass prism

