

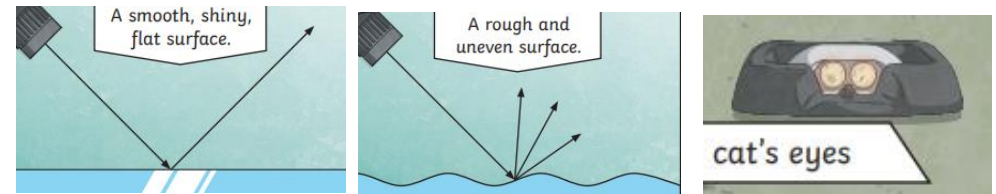
# Year 3- Light and Shadow



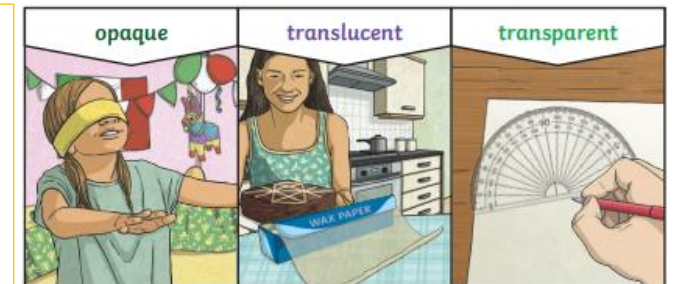
## Key Vocabulary

light	A form of energy that travels in a wave from a source
light source	An object that makes its own light
dark	Darkness is the absence of light
reflection	When light hits a surface and bounces back into our eyes.
reflect	To bounce off
pupil	The black part of the eye that lets light in
retina	The part at the back of the eye that takes in the light and sends nerve signals to the brain
shadow	An area of lightness where darkness has been blocked
transparent	Lets light travel through
translucent	Lets some light through
opaque	Lets no light through

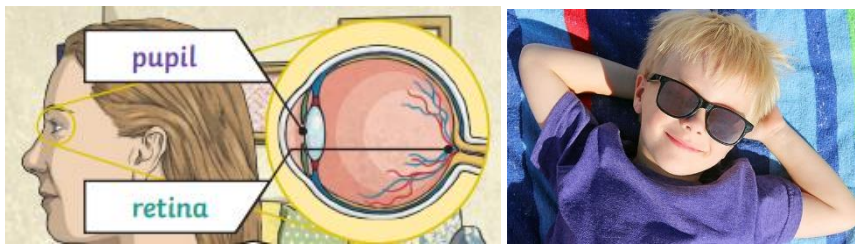
- We need light to see things.
- Light travels in a straight line.
- Light reflects off a surface and into our eyes.
- Surfaces that reflect light best are smooth, shiny and flat.



Some materials let more light in than others. You can see best through the materials that let the most light in.



- A shadow is formed when the light is blocked.
- The shadow is larger when the object is closer to the light source.



Mirrors reflect light



Too much light in your eyes can damage your retina. To protect your eyes, you should wear sunglasses with a UV rating and a hat with a wide brim on sunny days.

Shadows can change depending on the position of the light source. When the source is directly above, the shadow will be shortest. The shadow will be longer if the light is to the side.

