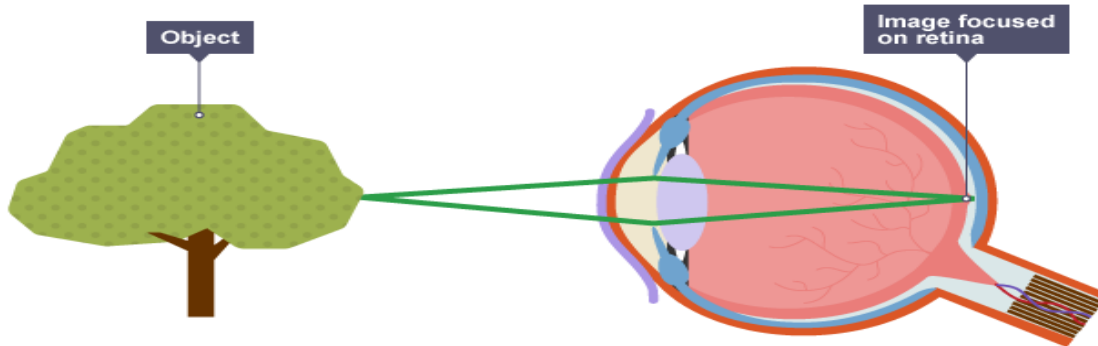
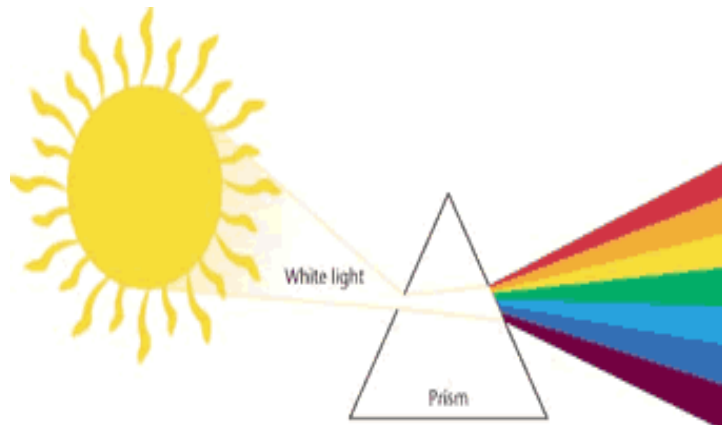
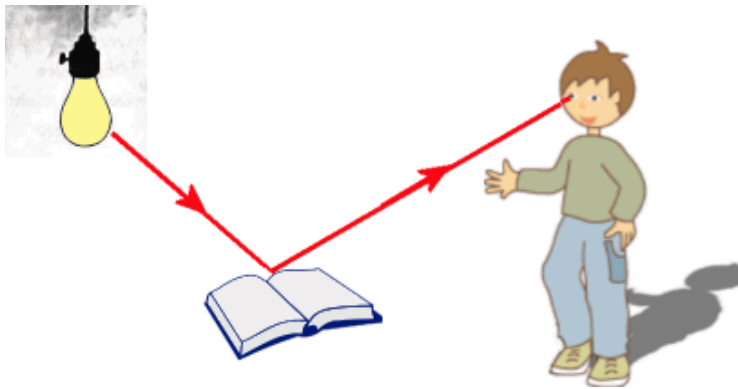
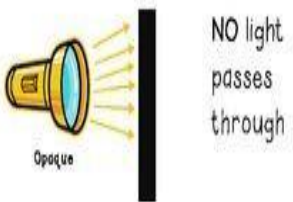
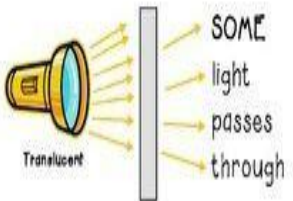
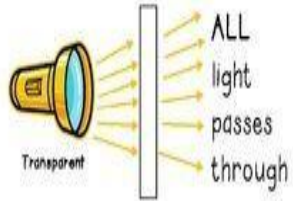


Translucent, Transparent &

Opaque



## Key Vocabulary

**Eyes** - Globular organs of sight in the head of humans and vertebrate animals

**Filter** - Pass through a device to remove unwanted material (liquid, gas, light or sound)

**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)

**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

### Talk points

Explain to your family how you can see objects in your kitchen.  
What would life be like if you couldn't see colours?  
Which of the 5 senses (touch,taste,see,hear,smell) do you think is most important? Why?