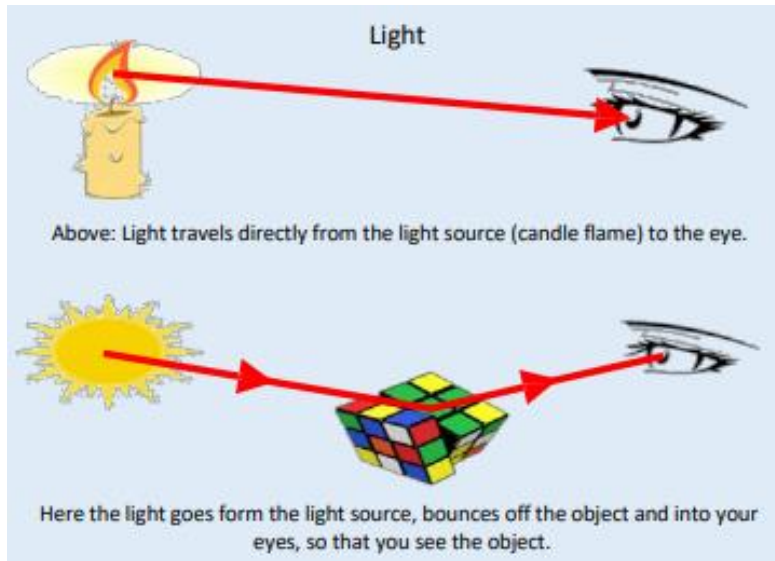




Owl Class Term 4 Knowledge Organiser



Light



Key vocabulary

emits	To emit a sound or light means to produce it
light	A brightness which lets you see things
light ray	Beam of light emitted from a light source
light source	Where the light comes from
mirror	Flat piece of glass which reflects light
opaque	An object or substance that you cannot see through
refract	Change in direction of a light ray. This happens when light travels through different mediums
reflect	When light is sent back from a surface and doesn't pass through it
shadow	A dark shape on a surface when something stands between the light and the surface
straight line	Light appears to travel in straight lines from a light source to an object
sunlight	Natural light source. You must never look directly at the sun without protecting your eyes.
translucent	Translucent materials let some light pass through
transparent	Transparent materials let all light through

Key Facts

- We see objects because light reflects off them into our eyes.
- If there is no light at all (pitch-black), then there is no light to reflect and we can't see anything.
- The iris controls how large our pupil is and how much light goes into our eyes
- Light travels in straight lines. It travels from the light source either directly into our eyes, or reflecting off objects at 670 million mph.

Rainbows are formed when the sun shines through water particles (transparent) and when white light passes through, it 'bends' and splits into the range of colours which make white light

ROY G. BIV

