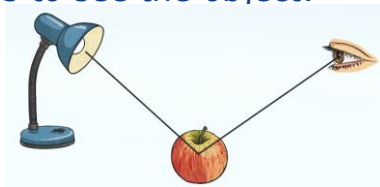


Prior Knowledge

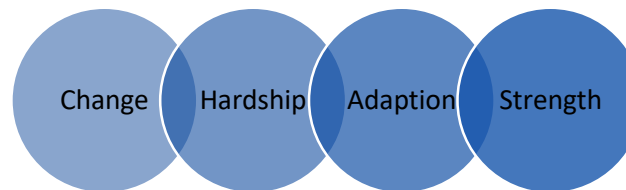
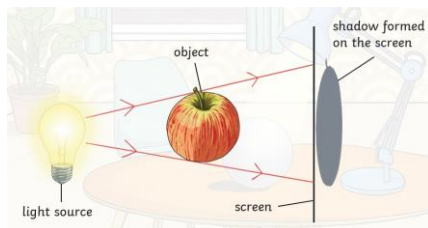
- Know we need light to see things and that dark is the absence of light
- Notice that light is reflected from surfaces
- Recognise that shadows are formed when the light from a light source is blocked by a opaque object
- Know the size of shadows can be changed

Key Knowledge

- Light travels in straight lines
- We see objects when light from them goes into our eyes
- The light may come directly from the light source
- For objects that are not a light source, light must be reflected from the object into our eye for us to see the object:



- Objects that block light will cause shadows
- As light travels in a straight lines the shape of the shadow will be the same shape as the outline of the object:



Key Vocabulary

light source	A natural or artificial source of light
straight lines	Light travels in straight lines
light ray	Each line of light travelling in a straight line
reflect	To throw back light from a surface
shadow	A dark area created when light from a light source is blocked by an object
opaque	Describes objects that do not let any light pass through them
transparent	Describes objects that light travels through easily, meaning we can see through the object
translucent	Describes objects that let some light through but scatters the light so we cannot see through them properly

How does light enable humans to see?