

## Key Vocabulary

<b>artificial</b>	something made by humans
<b>dark</b>	the absence of light
<b>light source</b>	an object which gives out light
<b>mirror</b>	a highly reflective surface which shows a reflection
<b>natural</b>	something not made by humans
<b>reflect</b>	to bounce off or throw something back
<b>reflective</b>	something which reflects light
<b>shadow</b>	a dark area behind an object where the path of light has been blocked

## The Sun

The Sun helps us in lots of different ways but we need to protect ourselves too. Remember to wear a hat and suncream when out in the sunshine.

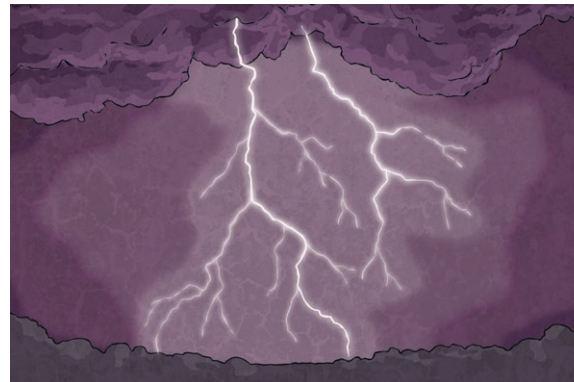
Never look directly at the Sun, even when wearing sunglasses.



## Light Sources

Light comes from a **light source**. **Light sources** can be **natural** or **artificial**.

**Natural light sources** are found in nature.



The Sun and lightning are **natural light sources**. Some living things, such as anglerfish, produce light. This is known as bioluminescence.

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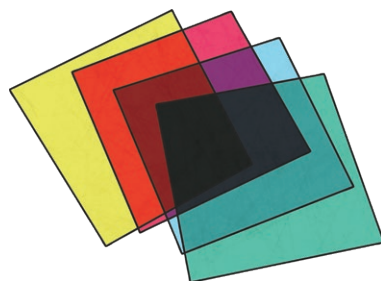
Torches, screens on devices and candles are all examples of **artificial light sources**.

## Transparency

Light cannot pass through opaque materials. The light reflects off their surface. We can't see through them.



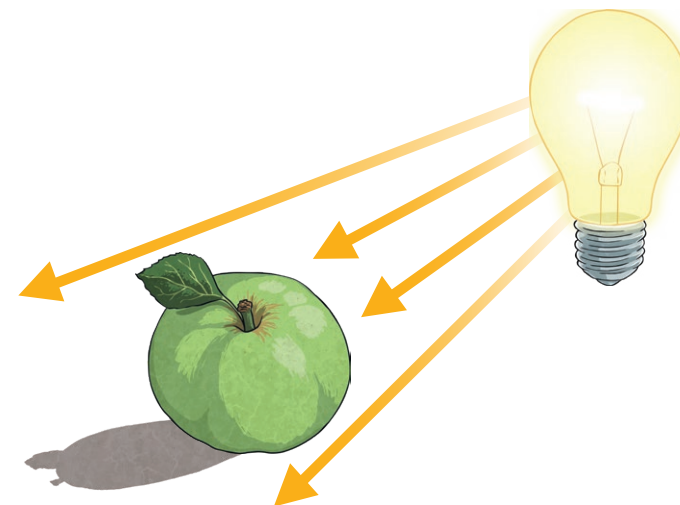
Some light can pass through translucent materials. We can partially see through them.



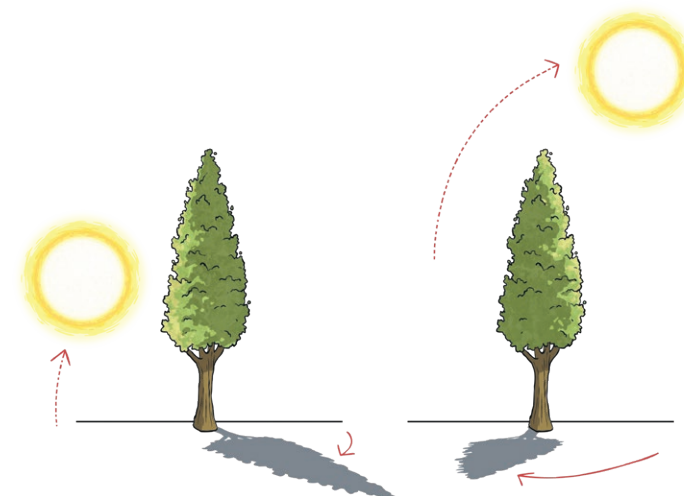
Most or all light can pass through transparent materials. We can see through them.



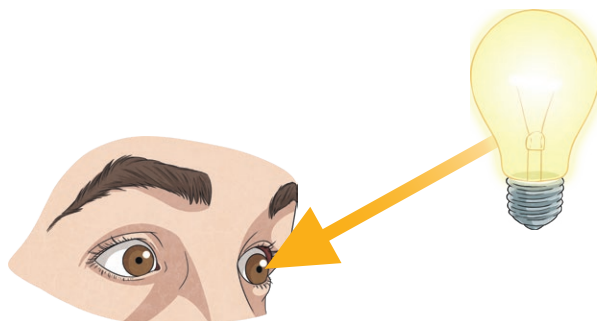
Shadows are created when the path of light from a light source is blocked by an object.



Shadows can change size and angle as the light source changes position.



People can see because light enters the eye through the pupil.



When the eye is closed, light cannot enter the eye so people cannot see.

