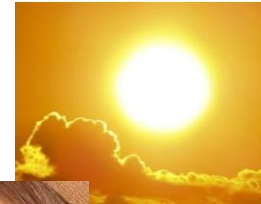


Light

Our greatest natural light source is the sun. Even at night, the sun's light reflects off the moon which is why we can still see some things outside in the dark!

Even though the sun is useful, we must still protect ourselves from it. Its rays have **UV light** which can be harmful to skin. Sun cream and sunglasses are helpful tools to keep us safe.



Vocabulary	
Key Words	Definitions
artificial	Manmade, not natural
light source	An object which gives out light
reflective	Something which reflects light
transparent	Completely see-through
translucent	A material which you can partially see through
opaque	Not see through at all

Opaque, translucent or transparent?

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.



Light Sources

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

Natural light sources are found in nature.



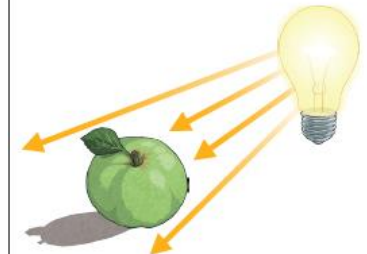
The Sun and lightning are **natural light sources**. Some living things, such as anglerfish, produce light. This is known as bioluminescence.

Natural light sources are found in nature.



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

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.

