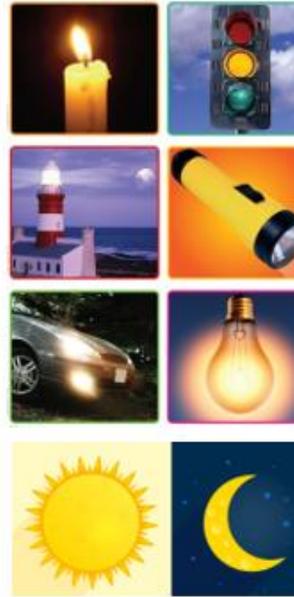


Year 3 What is the dark?

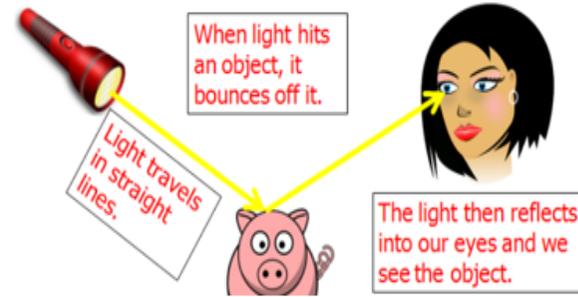
What is a light source?

We need light in order to see!

| | |
|----------------------------|--|
| Light | A form of energy that travels in a wave from a source |
| Light source | An object that makes its own light. They can be natural or man-made. |
| Dark | Dark is the absence of light |
| Luminous | Something that is bright or gives light. Luminosity means amount of light. |
| Secondary sources of light | The moon is not a light source - it reflects the light from the <u>Sun</u> so is a secondary source. |



How does light travel?



What materials reflect light?

| | |
|-------------|---|
| Reflect | Reflect means bounce off |
| Reflection | When light bounces off an object and bounces into our eyes |
| Reflective | Something that reflects light well - shiny things and hi-vis jackets.  |
| Ray or beam | A wave of light is called a light ray or beam |



How can we protect ourselves from the Sun?



A hat with a wide brim will shade your face and neck.



Sunglasses can help to protect your eyes from UV rays.



Cover up with a t-shirt to protect your shoulders and upper arms.

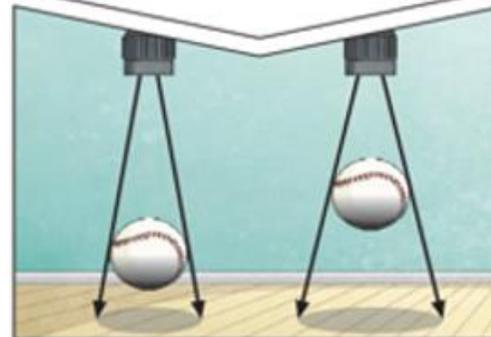
- It's very important to protect your skin from getting burnt.
- The sun can damage your eyes and you could even be blinded!
- Never look up at the sun!

How are shadows formed?

Shadows are not always connected to an object.

Sometimes they can be disconnected!

A shadow is caused when light is blocked by an opaque object. A shadow is larger when an object is closer to the light source. This is because it blocks more of the light.



Does light travel through all materials?

