

Year 3 Science Knowledge Organiser

Light



Key Knowledge

We need light in order to see. Light can come from a variety of sources, but **our main source of light is the sun**. The moon can act as a light source at night, but it does not produce its own light, it reflects the sun.

Darkness is the absence of light.

Light gets **reflected** off of different surfaces. This is how we can see things.

Shadows are formed when a solid object blocks a light source. A shadow will be the same shape as the object that blocked the light.

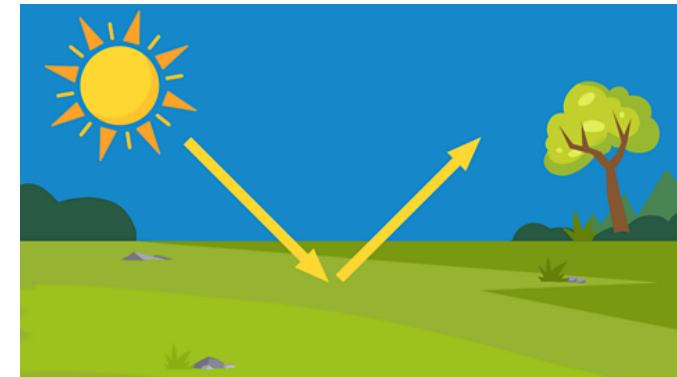
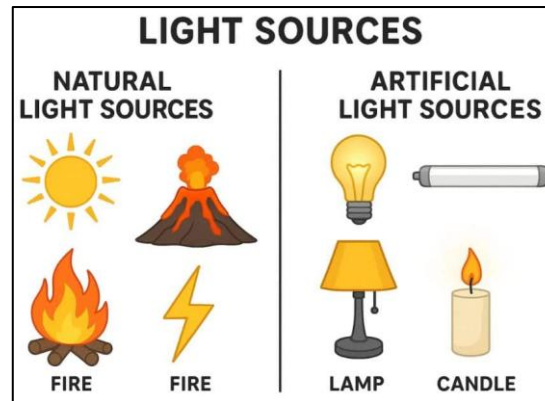
Shadows will get bigger or smaller depending on how far they are from the light source. The further away, the smaller the shadow.

Shadows will change angle and size during the day because of the position of the sun.

Our eyes are very delicate and can easily be damaged by looking at the sun. We must protect our eyes with sun glasses and our skin with sunscreen in order to stop the **UV light** from damaging our bodies.

Key Vocabulary

Natural Light	Light that comes from a natural source (e.g. the sun, fire).
Artificial Light	Light that comes from a man made source (e.g. torch, lamp)
Source	Where something comes from.
Reflect	When light bounces off of a surface and is not absorbed.
Opaque	A material that light cannot pass through.
UV light	A type of light that the sun gives off that can be damaging.



Light reflects from different surfaces so we can see them.



Light travels in straight lines and will keep going until it is blocked by an opaque object.

