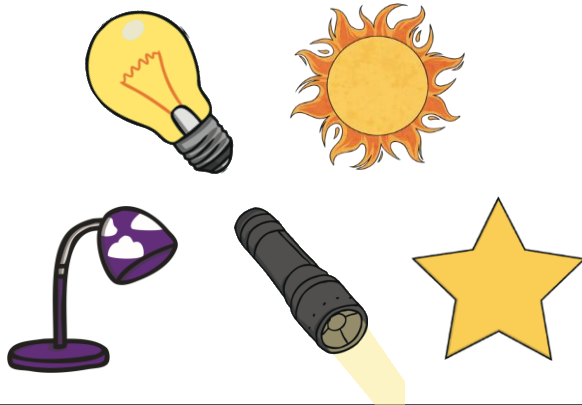


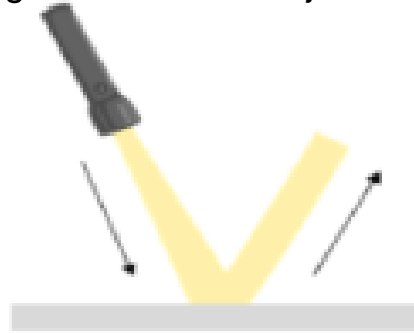
Sources of light

Sources produce their own light that travels in straight lines.



Reflection

When light hits an object, it bounces off of it. The object **reflects** the light. Shiny or light-coloured objects reflect more light than darker objects.



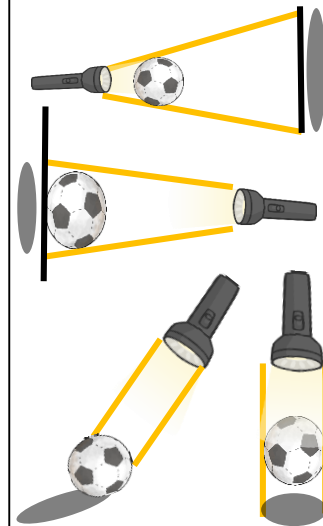
Light safety



The light from the sun produces **UV rays**. These can damage our eyes if we look directly at the sun.

We can protect our eyes by wearing sunglasses in bright light environments.

Shadows



Shadows are formed when the light from a light source is blocked by a opaque object.

Shadows change shape, direction and shade depending on the position of the light source or object.

Key Vocabulary

	Word	Definition
1.	Light source	An object that produces its own light e.g. the Sun, fire
2.	Reflective	A surface that bounces back light
3.	Opaque	Cannot be seen through as it does not allow light to pass through
4.	Transparent	Can be seen through as it allows light to pass through
5.	Translucent	Allow light through but cannot be seen through clearly
6.	Shadow	A dark shape on a surface that is made when something stands between light and source.
7.	UV rays	Ultra-violet rays produced by the sun and some other man-made objects.