

### What is a light source?

Something that creates light.



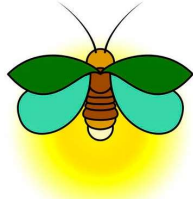
Electric lights



fire



The sun and other stars



Chemical reactions (glow worms and glow sticks)

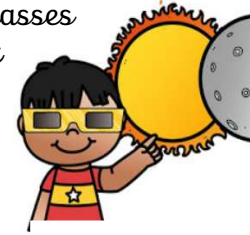
### Year 3 Where does darkness come from?

#### The sun can be dangerous

We need to protect ourselves from the light from the sun as it can damage our eyes and our skin.



Never look directly at the sun. There are special glasses for looking at eclipses



### States of Being

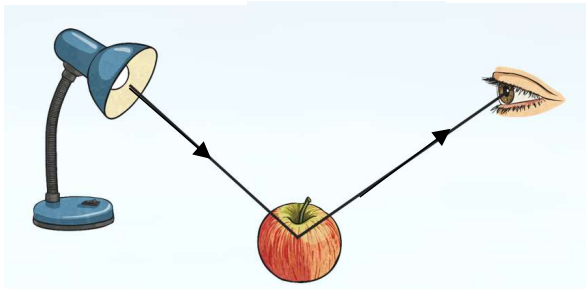


Scientist

### How do I see?

Light travels from a **light source**

Light enters my eyes

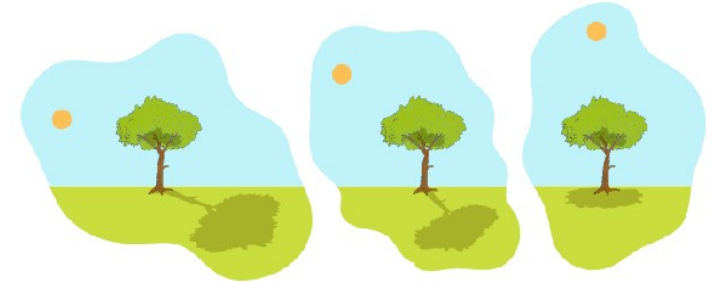


Light **reflects** off an object

### Shadows

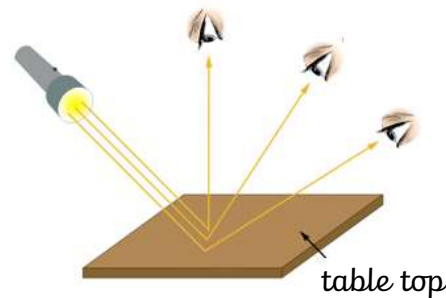


Shadows are made when an object **blocks light** from a light source



Shadows **change direction** and **length** when the light source moves.

### Reflection



Light reflects off of surfaces in lots of directions.



Some surfaces reflect really well – like mirrors and shiny objects.

### Without light I can't see



lots of light from the sun



A little light reflected by the moon



No light at all