

These **ARE** sources of light**NOT** sources of light

The Moon and shiny tin foil

To see we **must** have lightlight **reflects** off an object  
enters our eyesno light = **no sight**object can't be seen  
without light

darkness is the absence of light

Light

light **reflects** off a surface

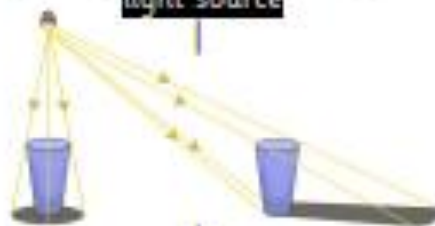
light enters our eyes

We see an object **because**  
light has reflected off itLight does **NOT** come from our eyes.  
We use arrows to show the direction light travels  
from the source. →**NEVER** look directly at the sun or at  
bright light sources such as torches

damage your eyes

You can **protect** your eyes

Dark

**shadows** form**opaque** object blocks  
the light**opaque** objects let  
NO light through and  
cast shadows**translucent** - lets some light  
through**transparent** - lets all light  
through**shadows** change lengthdepending on the position of the  
**light source**source directly **above** = short shadowsource **further away** = longer shadow**shadows** change length as  
the Earth rotates**sun dials** cast shadowstell the time during the  
day