

Year 3 – Light

Reflective jackets are coated in reflective glass beads that reflect light back to the cars' headlights.

The moon is not a light source. It appears to glow because light from the sun reflects off its surface.

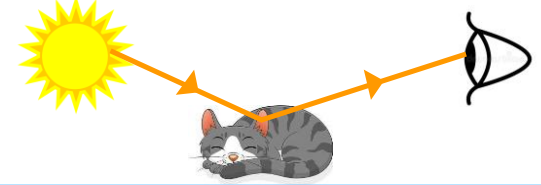
ROCKET WORDS – learn these words and their definitions

Key Word	Definition
light source	An object that gives out its own light
shadow	A dark shape on a surface that is made when an opaque object blocks light
reflect	When rays of light bounce back from a surface
reflective	A word used to describe something that reflects light well
light ray	Waves of light travel in straight lines called rays. They can also be called beams .

Light sources We need light to see things. Dark is the absence of light.



When light hits an object, it is **reflected** off. If the light hits our eyes, we can see the object.



Shiny surfaces **reflect** light well because they are smooth.



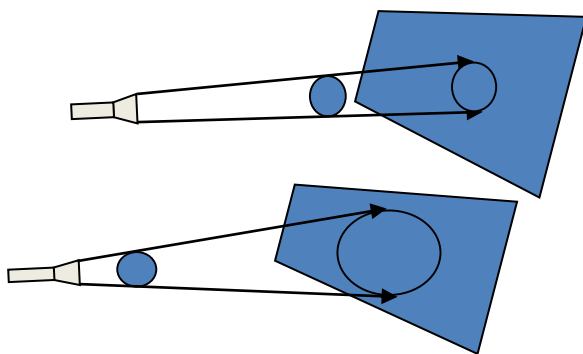
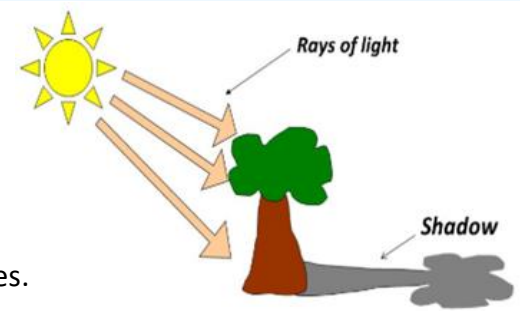
Some **reflective** materials can be very useful!

Shadows

Lights rays travel in straight lines.

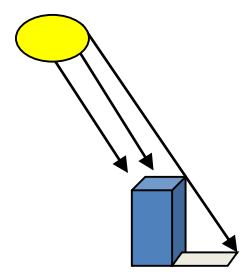
Shadows are formed when **opaque** objects block light. They are the shape of the object that made them.

The size of the **shadow** changes as the **light source** moves.

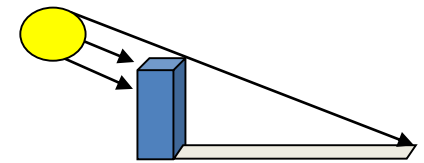


To **magnify** a **shadow**, move the **light source** closer to the object.

Sun overhead at midday gives short **shadow**.



Sun low in the sky, morning and evening gives long **shadows**.



Light passing through objects

