You know this

from before

We need light

in order to

see things.

Darkness is

the absence of

light

Light is reflected

from surfaces.

Light from the sun

can be dangerous

and there are ways to protect our eyes.

Shadows are formed when light

is blocked by an opaque object.

Key Vocabulary

light

light source

Sun

sunlight

dangerous

straight lines

light rays

translucent

opaque

The size

and shape

of a shadow

is determined by the

position of the light source

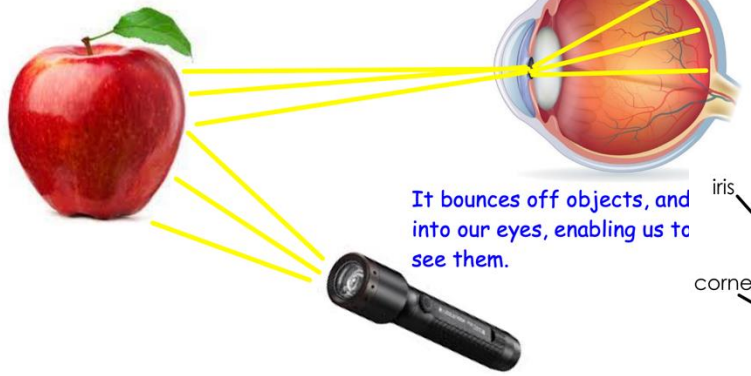
in relation to the object.



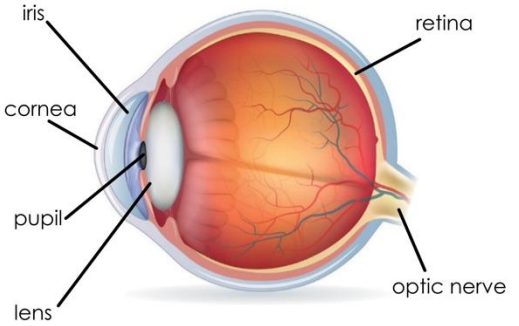


Light

Light travels in straight lines.



It bounces off objects, and into our eyes, enabling us to see them.



Light rays travel into our eyes

+ and reach the retina where they

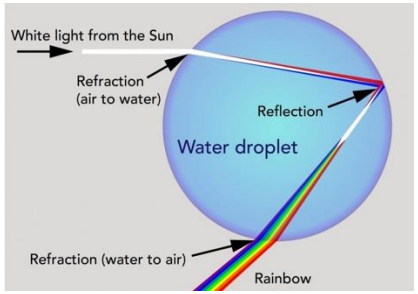
= are turned into electrical signals and

sent to the brain to process.

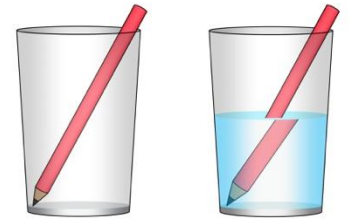
Light is involved

in many common phenomena

such as rainbows and illusions.



Refraction of Light



Empty Glass + Pencil

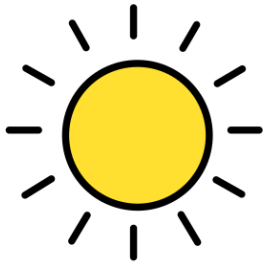
Glass + Water + Pencil



You know this



from before



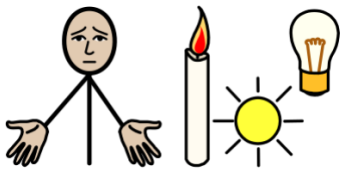
Light from the sun



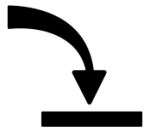
can be dangerous



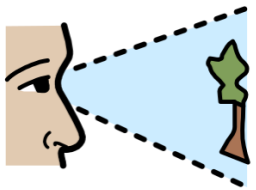
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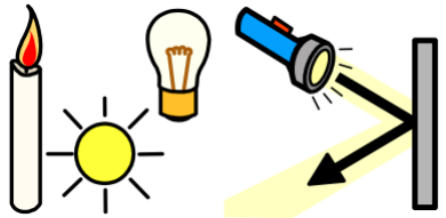
We need light



in order to



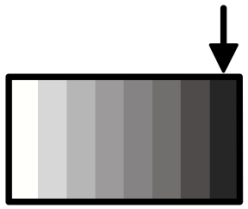
see things.



Light is reflected



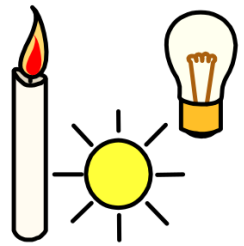
from surfaces.



Darkness is



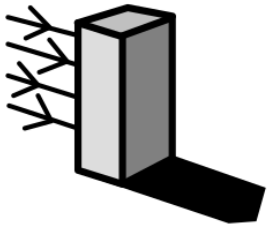
the absence of



light



Shadows are formed when light



is blocked by an opaque object.



light



light source



Sun



sunlight



dangerous



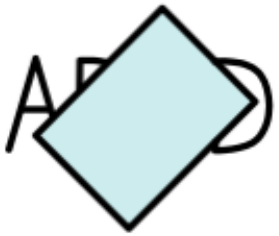
straight lines



light rays



translucent

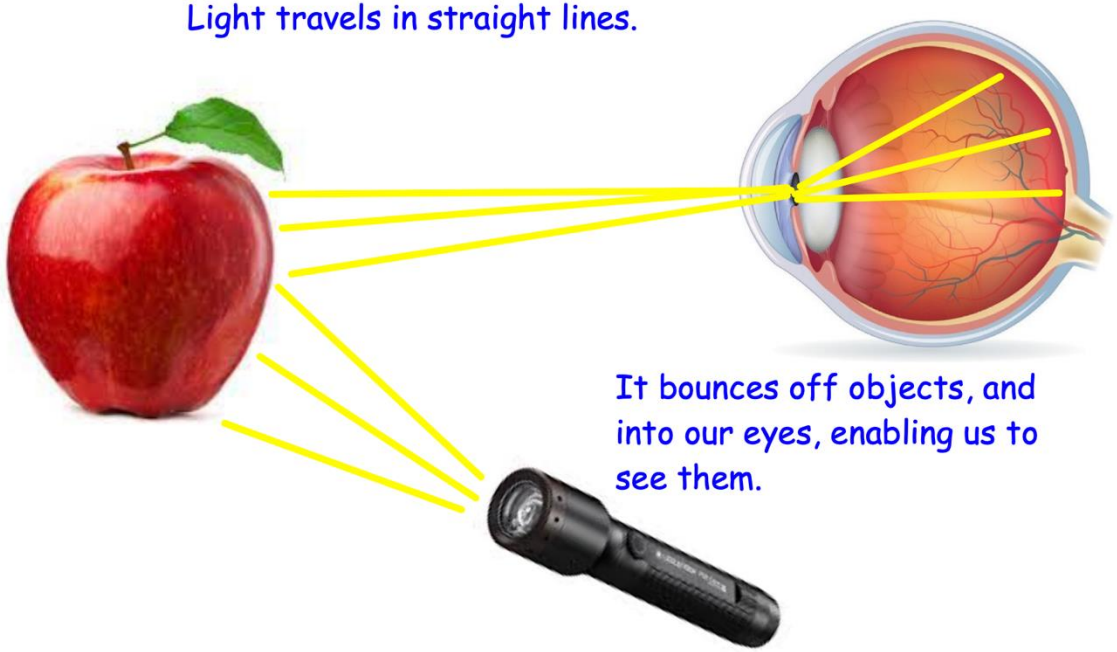


opaque

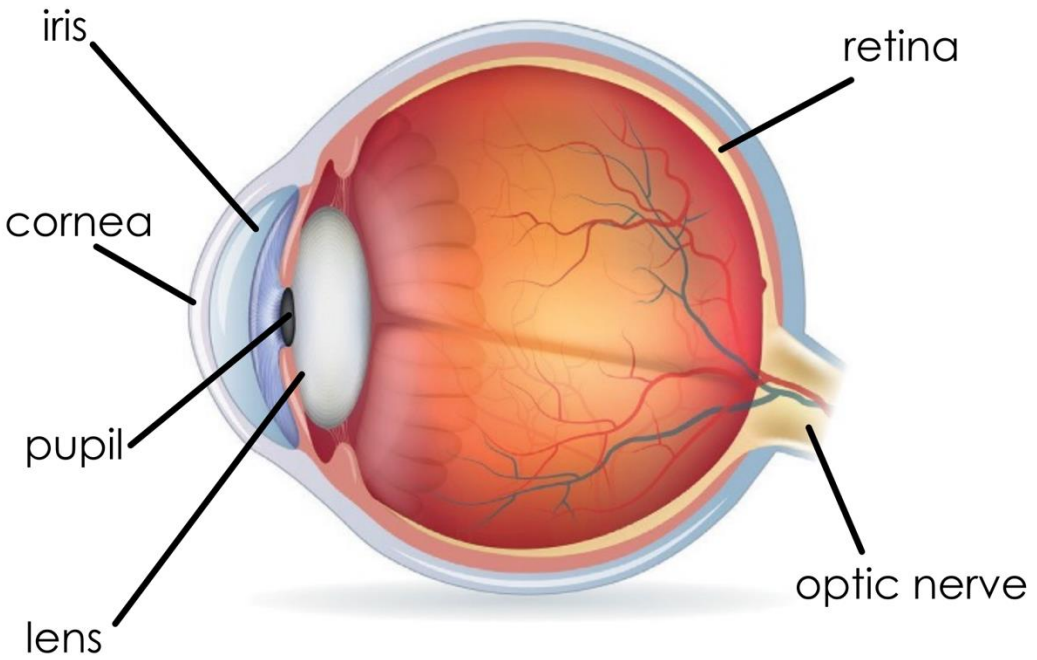




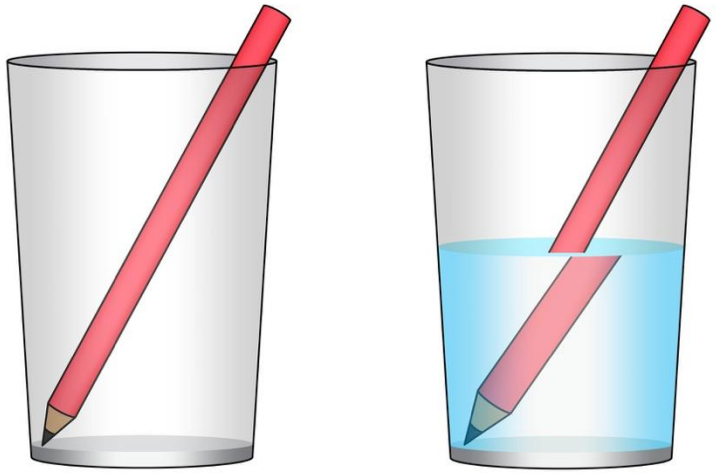
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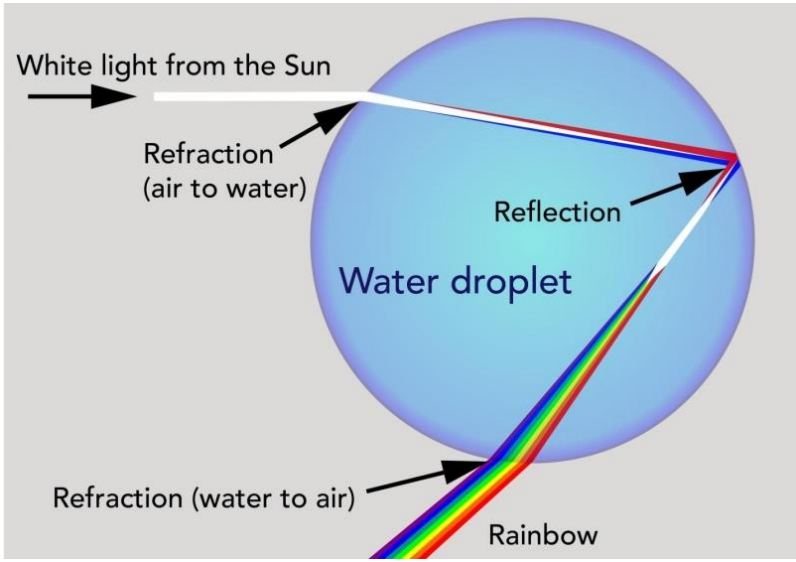


Refraction of Light



Empty Glass + Pencil

Glass + Water + Pencil



The size



and shape



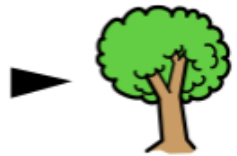
of a shadow

?

is determined by the



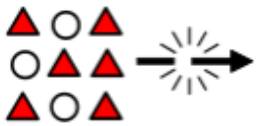
position of the light source



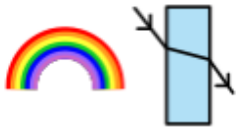
in relation to the object.



Light is involved



in many common phenomena



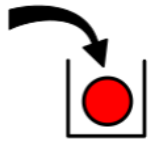
such as rainbows and illusions.



Light rays



travel



into

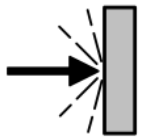


our



eyes

+



and

reach

the



retina

where



they

=



are

turned into



electrical

signals

+

and



sent

to the



brain

to



process.