



How We See

twinkl

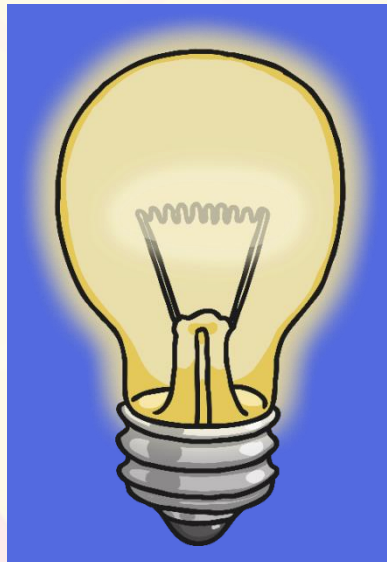
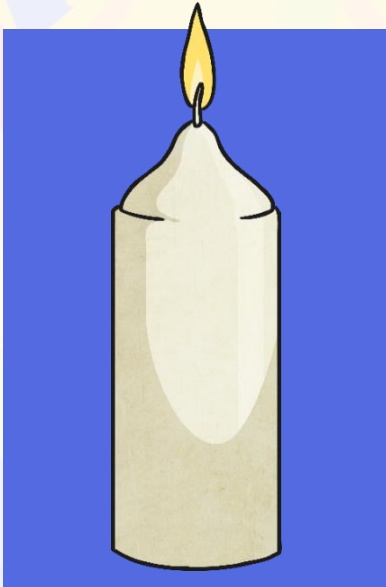
Aim

- I can explain that light travels in straight lines from light sources to our eyes, and from light sources to objects and then to our eyes.

Success Criteria

- I can demonstrate that light travels in a straight line.
- I can explain how we see things.

Where Does Light Come From?



Light seems to be all around us.
But where does it come from?

Can you name
some sources
of light?



What about some reflectors of light?

These can look like light sources, but are really reflecting light.

How does light travel from a light source?



How Does Light Help Us See?

Light is a type of energy known as electromagnetic radiation.

It is made up of photons, little particles of energy.

Light travels as a wave. But unlike waves of water, or sound waves, it does not need any medium to travel through. This means light can travel through a vacuum - a completely airless space.

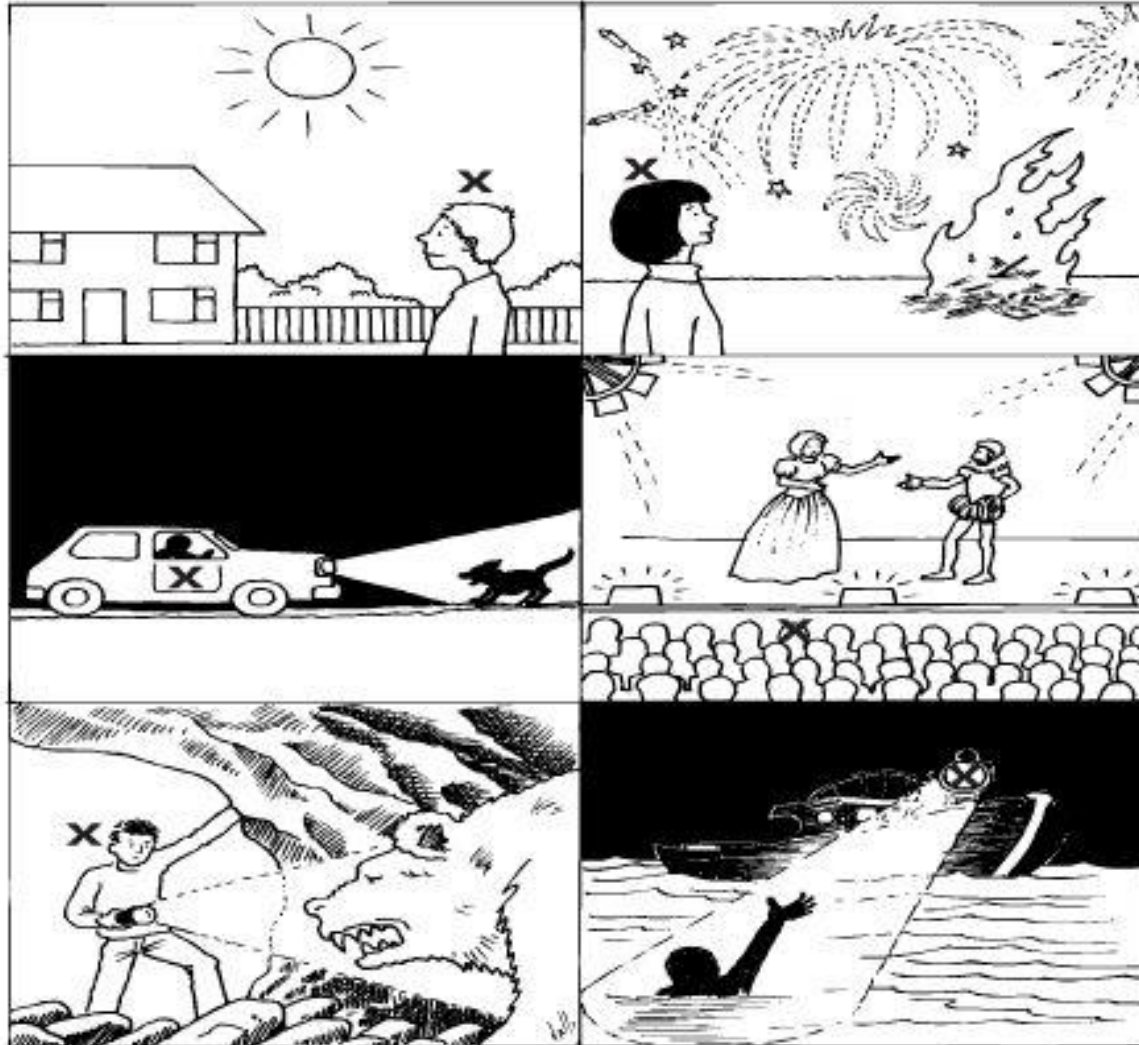
Light waves travel out from sources of light in straight lines. These lines are often called rays or beams of light.



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How we see things

■ Draw arrows on each diagram to show how the person marked X sees the object(s) in each picture.



Remember the ray of light should always travel in a straight line.



Seeing Things

We can see objects because _____ shines on them,
_____ off and enters our _____.

We say that light is _____ off objects. This is not
like light reflecting of a mirror-we cannot see an image.
If there is no light we cannot _____ at all.



light bounces
reflected eyes
see



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