

Light

Year 3/4

Light is a type of energy that makes it possible for us to see the world around us. We need light to see.

Key vocabulary

Light A form of energy that travels in a wave from a source.

Light source An object that makes its own light.

Dark Dark is the absence of light.

Reflection The process where light hits the surface of an object and bounces back into our eyes.

Reflect To bounce off.

Reflective A word to describe something which reflects light well.

Rays Waves of light are called light rays. They can also be called beams.

Shadow An area of darkness where light has been blocked.

Opaque Describes objects that do not let any light pass through them.

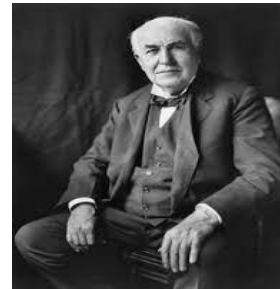
Translucent Describes objects that let some light through, but scatter the light so we can't see through them properly.

Transparent Describes objects that let light travel through them easily, meaning that you can see through the object.

A shadow is caused when light is blocked by an opaque object. A shadow is larger when an object is closer to the light source. This is because it blocks more of the light.

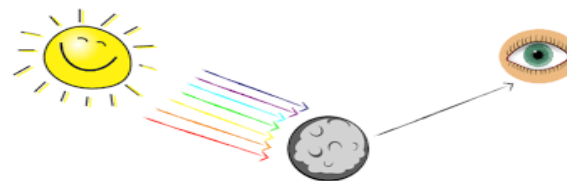


Thomas Edison was a famous American inventor. He is best known for inventing the lightbulb. He came up with over 1000 successful inventions in his lifetime.



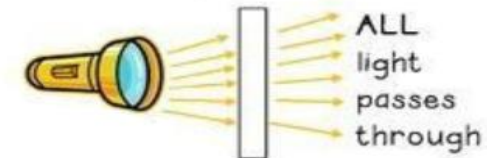
Reflection

Light travels in straight lines, when it hits an object it is reflected and enters our eyes.



The sun gives us light so that we can see. The sun can also damage our eyes. Wear a hat and sunglasses to protect the eyes.

Transparent



Translucent



Opaque

