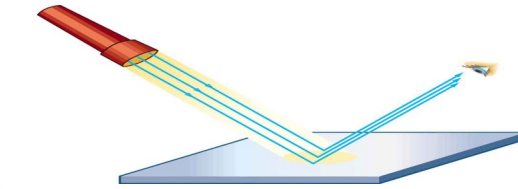




Does light always create a shadow?



Light sources can be *natural* (coming from the Sun) or *artificial* (coming from a light bulb or candle).



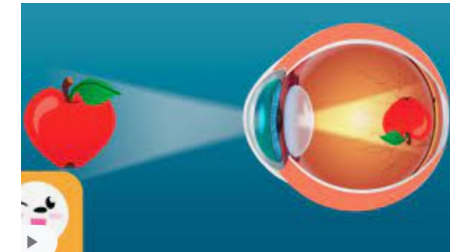
When light from an object is reflected by a surface, it changes direction.

It bounces off the surface at the same angle as it hits it. Smooth, shiny surfaces such as mirrors and polished metals reflect light well. Dull and dark surfaces such as dark fabrics do not reflect light well.

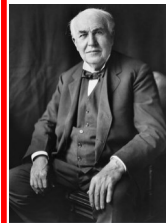
Shadows are created when an opaque material or object is placed in front of a light source and prevents light from passing through.



Light enters the eye and is turned into an electrical signal by special cells. The brain then turns the signal back into the image you see.



light	A form of energy visible to the human eye.
shadow	A dark area on a bright surface caused by something blocking a source of light.
opaque	A material or object that light can't pass through. (milk in a glass, curtains)
reflect	Light bounces off an object
dark	The absence of light.
silhouette	A shadow's outline which has the same shape as the object blocking the light.
artificial	A thing made or produced by humans



Thomas Edison

Born: 11th February 1847, Ohio USA

Died: October 18th, 1931

Thomas Edison was an inventor and businessman who invented versions of the first electric lightbulbs and electric power generation.

In 1882, 59 houses in Manhattan, US were supplied with electricity to light their homes as well as several houses in London, UK.

"We will make electricity so cheap that only the rich will burn candles."

History of Lighting

