



Year 3 - Light

Key Vocabulary	
light	the natural substance that makes objects visible
reflect	to throw back light or heat without absorbing it
shadow	a dark area or shape caused by a solid (opaque) object coming between a source of light and a surface
heat	make or become warm
solar energy	a form of energy created by the sun

What are sources of light?

Light comes from a variety of different sources. Light can come from natural sources such as the sun or fire, or man-made sources such as a light bulb or a torch.



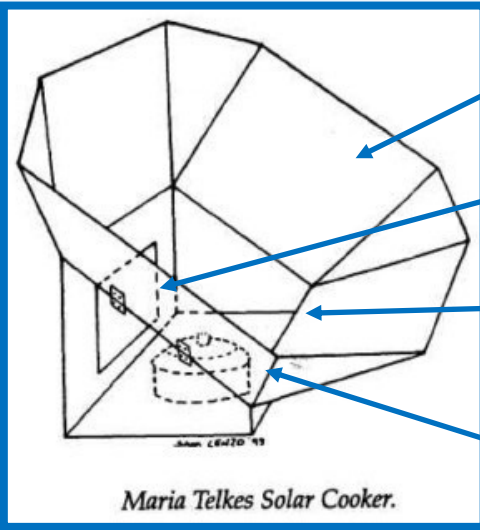
Natural sources of light, such as the sun or fire, are sources of light that exist without the help of humans.



Man-made sources of light, such as light bulbs, exist only due to human invention and rely on energy to work.

Who was Maria Telkes?

Maria Telkes was a Hungarian-American scientist and inventor, who studied and worked on solar energy. Because of her work, she earned the nickname The Sun Queen. Telkes is remembered for many inventions but her most famous invention is her functional oven, which ran entirely on solar power.



reflector: used to concentrate sunlight

door: used to place food inside

insulation: used to store heat to cook food

food: cooked using heat from reflectors

What is a shadow?

Shadows are created when a solid (opaque) object appears between that object and a source of light. The shape of a shadow reflects the shape of the object forming them. The size of a shadow changes at various points throughout the day as the sun move in the sky.