



KEY VOCABULARY

Light

Dark

Light Source

Transparent

Opaque

Reflect

Shadow

A type of **energy that makes it possible for us to see** and helps to support life on earth

The **absence of light**. It is hard for us to see in the dark

Something that makes light; these can be natural or artificial (made by people)

A property of a material that **allows light to travel through it**. We can see through transparent things

A property of a material that **does not allow light through it**. We cannot see through opaque things

When **light bounces back** from a surface

A **dark area** created by an object blocking a light source

Light Source



Light Source

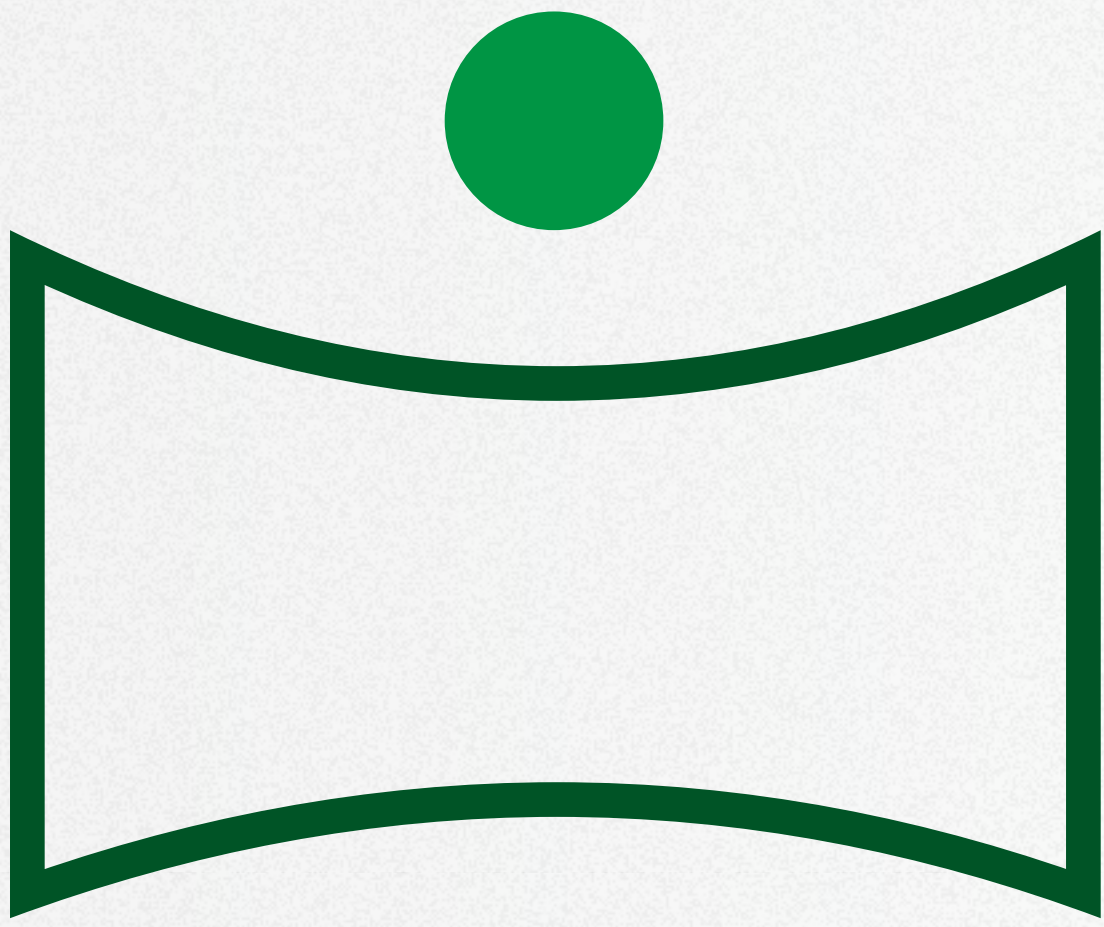


Short Shadow
Source of light (the Sun) is nearly overhead

Long Shadow
Source of light (the Sun) is at large angle

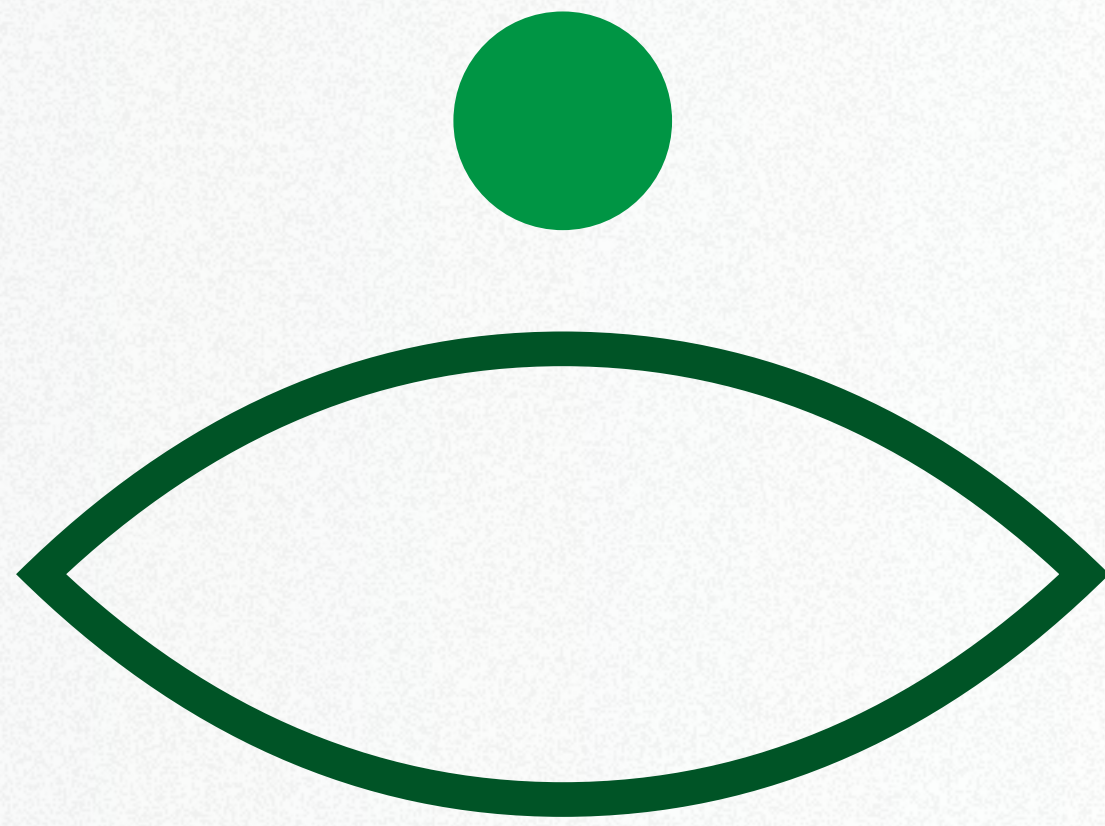
Our shadows change as the sun moves across the sky. When the sun is high in the sky our shadows are short. When the sun is lower in the sky our shadows are longer

CONCAVE

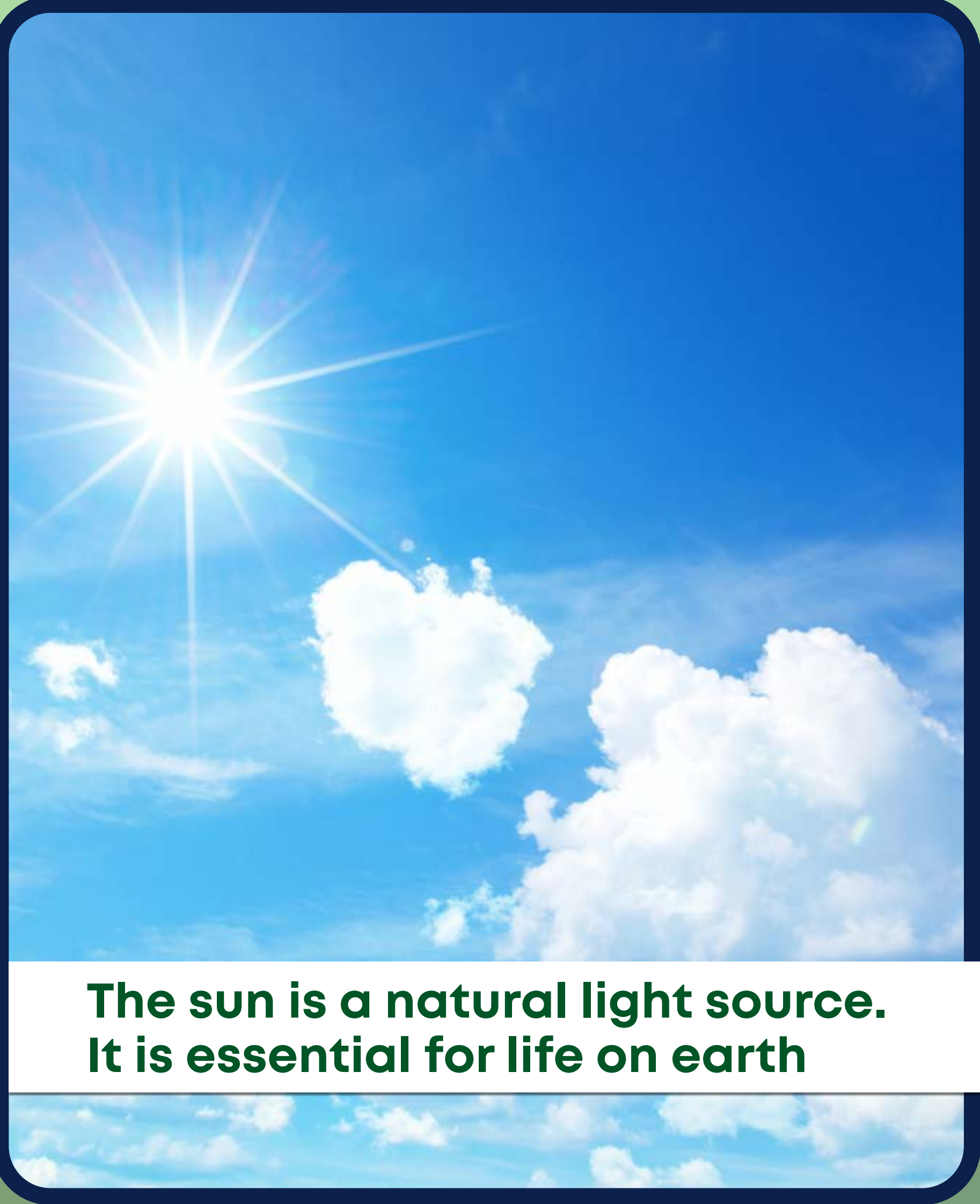


When a mirror is bent inwards, creating a hollow – the image looks bigger

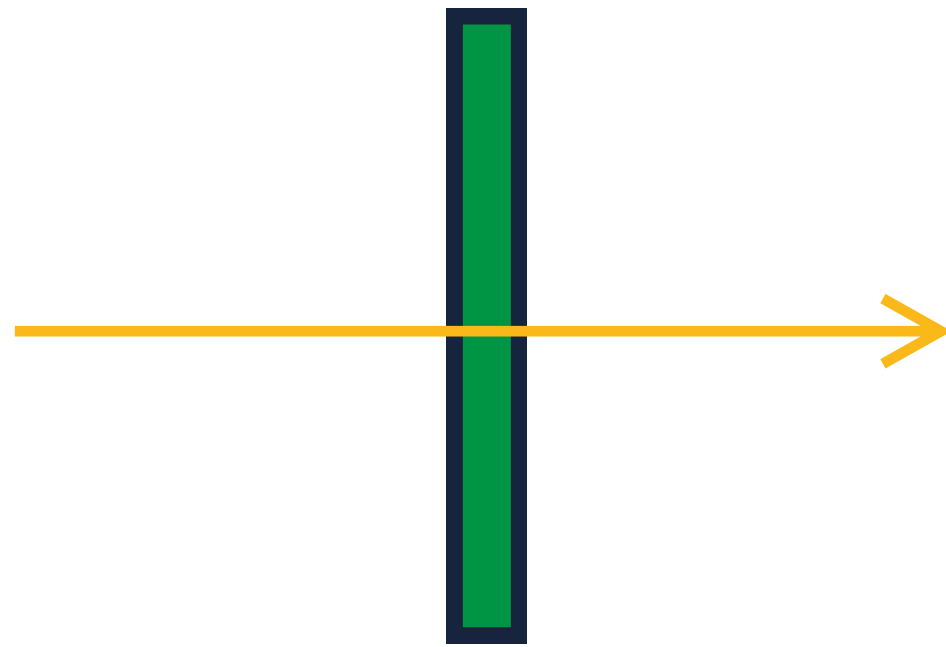
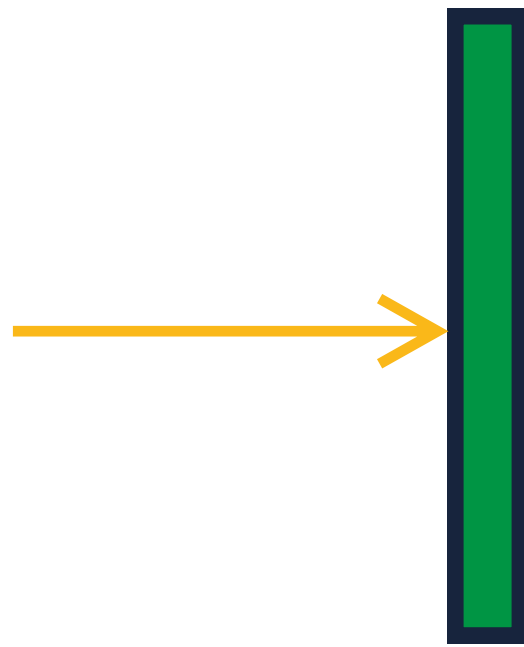
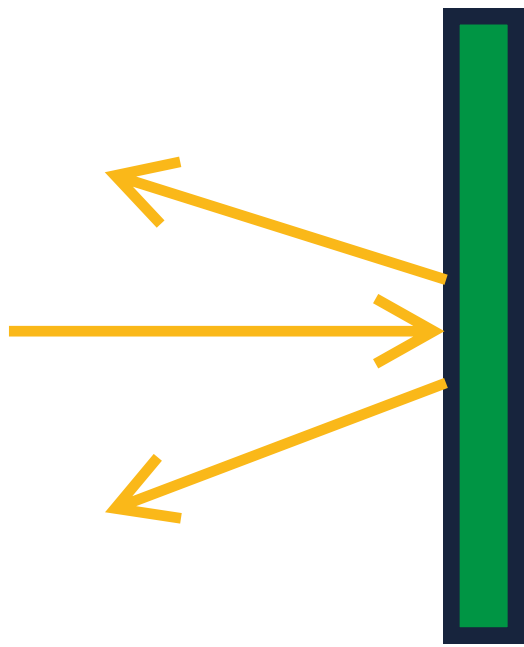
CONVEX



When a mirror is bent outwards, creating an arch– the image looks smaller



The sun is a natural light source. It is essential for life on earth

Transparent	Opaque	Reflect
		
Light can travel through an object or material	Light cannot travel through an object or material	Light bounces back from an object or material