



light

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

dark

the **absence of light** (it is hard for us to see in the dark)

light source

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

transparent

a property of a material that **allows light to travel through it** (we can see through transparent things)

opaque

a property of a material that **does not allow light through it** (we cannot see through opaque things)

reflect

when **light bounces back** from a surface

shadow

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

light source

light source



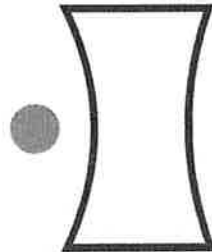
**short shadow**  
source of light (the Sun) is nearly overhead



**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, and 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



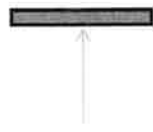
When a mirror is bent outwards, creating an arch – the image looks smaller

transparent



light can travel through an object or material

opaque



light cannot travel through an object or material

reflect



light bounces back from an object or material



the sun is a natural light source and is essential for life on Earth