

Key Vocabulary

light light source dark absence of light transparent translucent
 shiny matt surface shadow reflect mirror sunlight dangerous opaque

We see objects because our eyes can sense **light**. Some objects, for example, the sun, light bulbs and candles are **sources of light**.

Dark is the **absence of light**. We cannot see anything in complete darkness.

Objects are easier to see if there is **more light**.

Some surfaces **reflect** light. Objects are easier to see when there is less light if they are reflective.

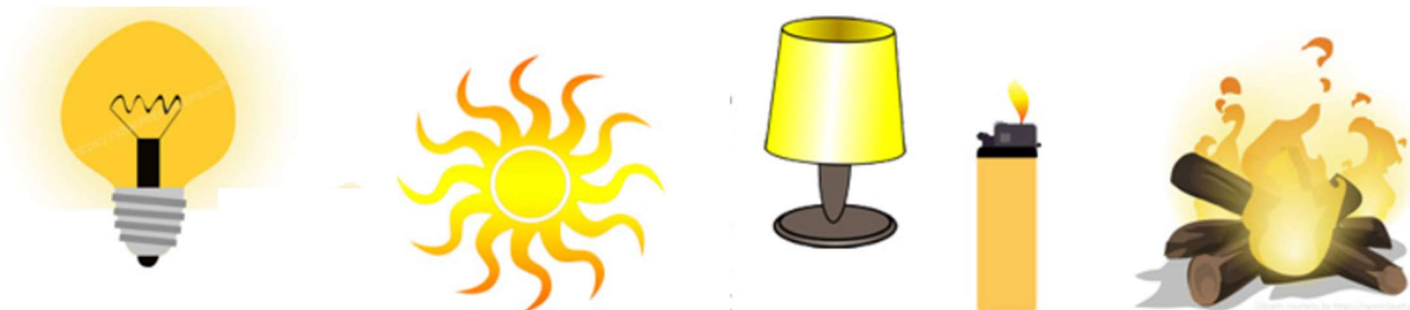
Reflective materials and surfaces can be very useful...



The light from the sun can damage our eyes and therefore we should not look directly at the sun and can **protect** our eyes by wearing

sunglasses or sunhats in bright light. **WARNING- IT IS NOT SAFE TO EVER LOOK DIRECTLY AT THE SUN, EVEN WHEN WEARING SUN GLASSES.**

Sources of light



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Transparent

Describes objects that you can see through.

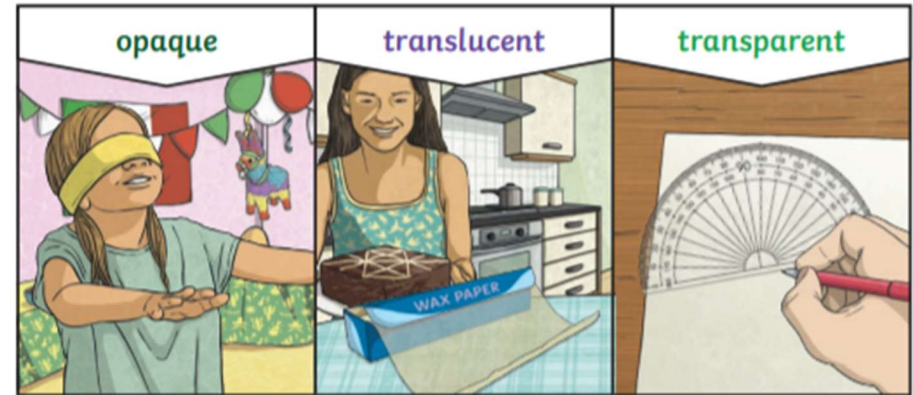
Opaque

Describes an object you can't see through.

Translucent

Describes objects that let some light through, but scatter the light so we can see through them properly

Shadows are formed on a surface when an opaque or translucent object is between a light source and the surface and blocks some of the light. The size of the shadow depends on the position of the source, object and surface. For example...



When the **light** source is directly above the object, the **shadow** will be directly underneath.



When a **light** source is to one side of an object, the **shadow** will appear on the opposite side. The **shadow** will also be longer.

