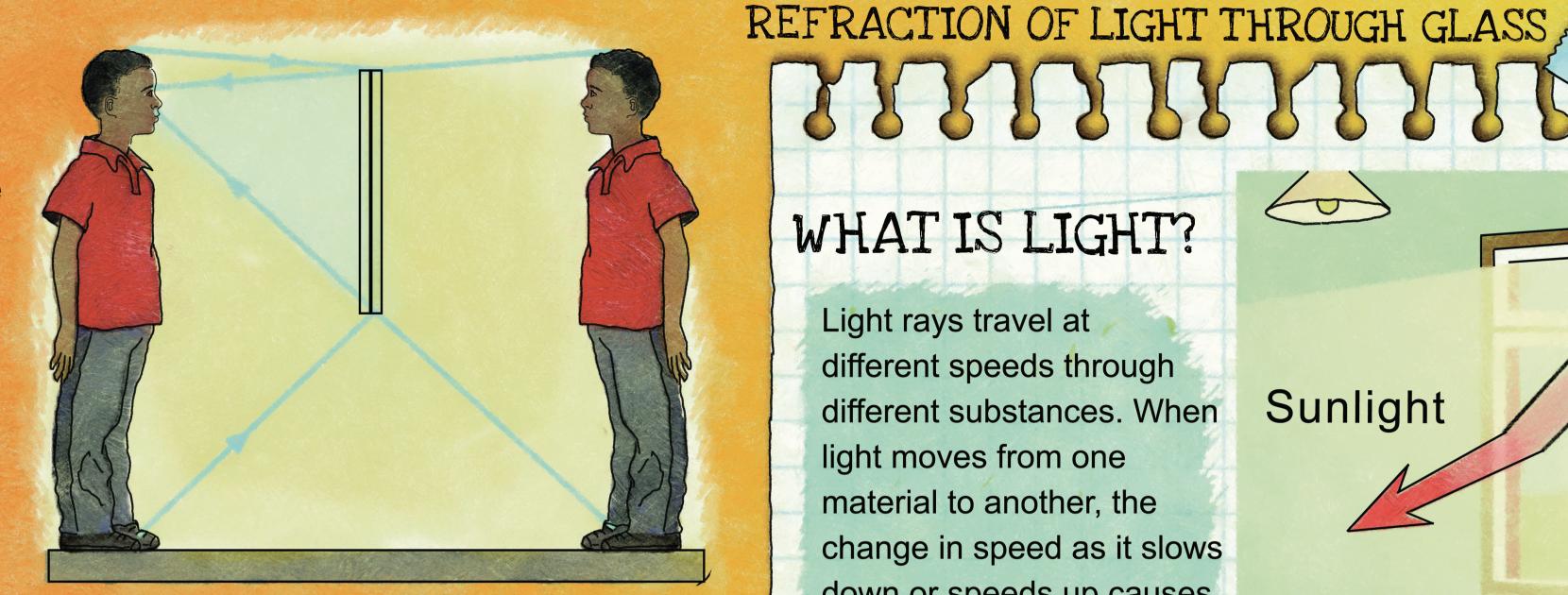


Light is produced by fires, light bulbs and the Sun. Light is made of vibrating electric and magnetic fields which are at right angles to each other. The light that we can see is called visible light, but there is also light that we cannot see, including ultraviolet light and infrared light.

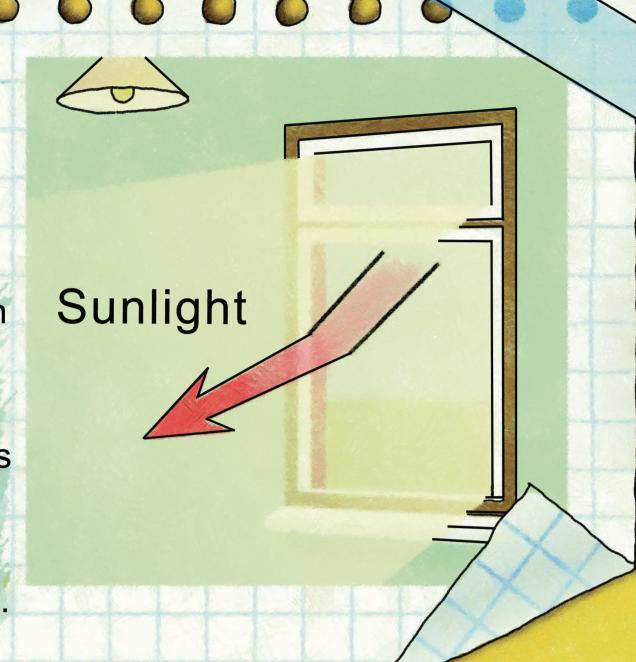


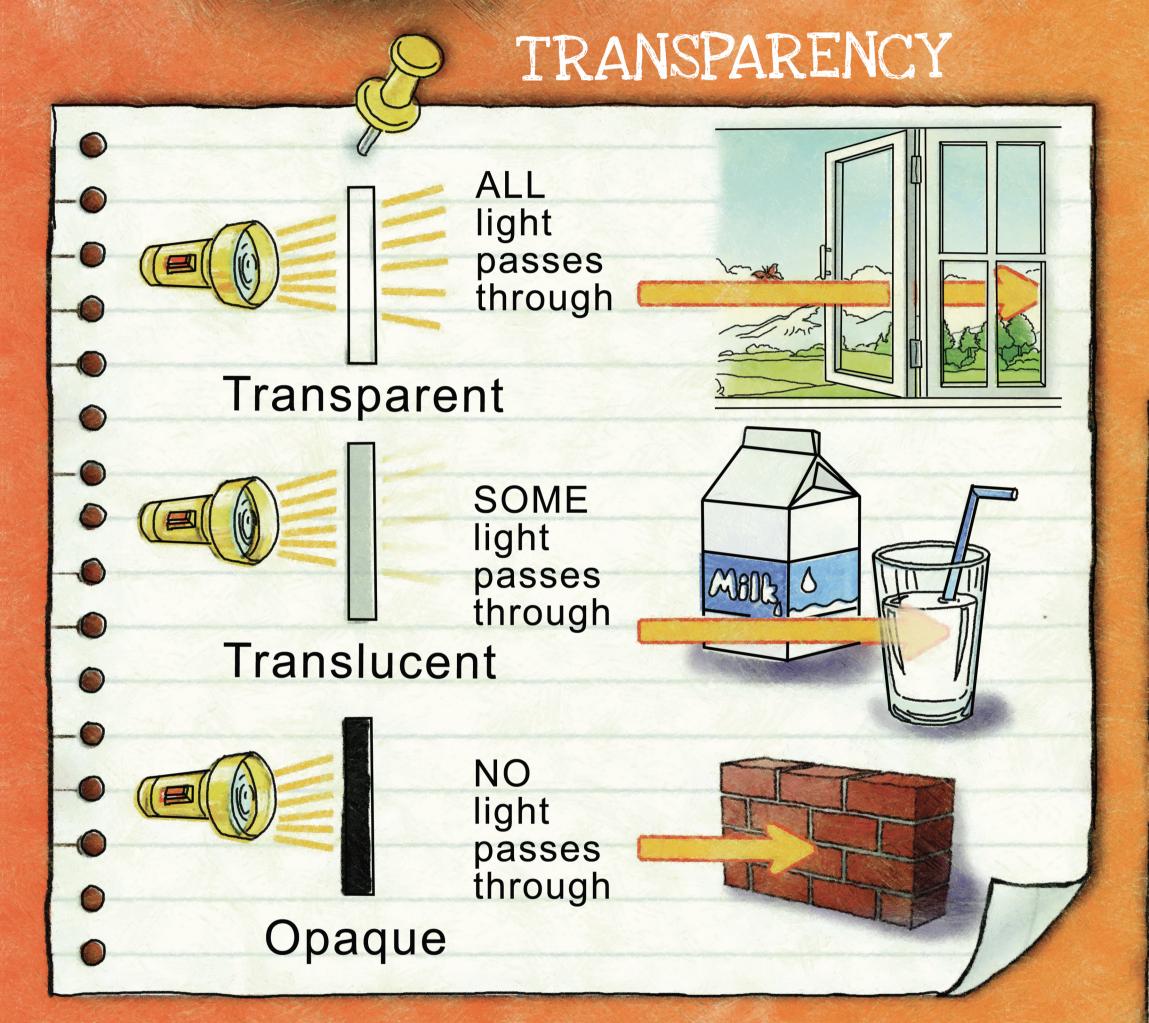
## REFLECTION OF LIGHT

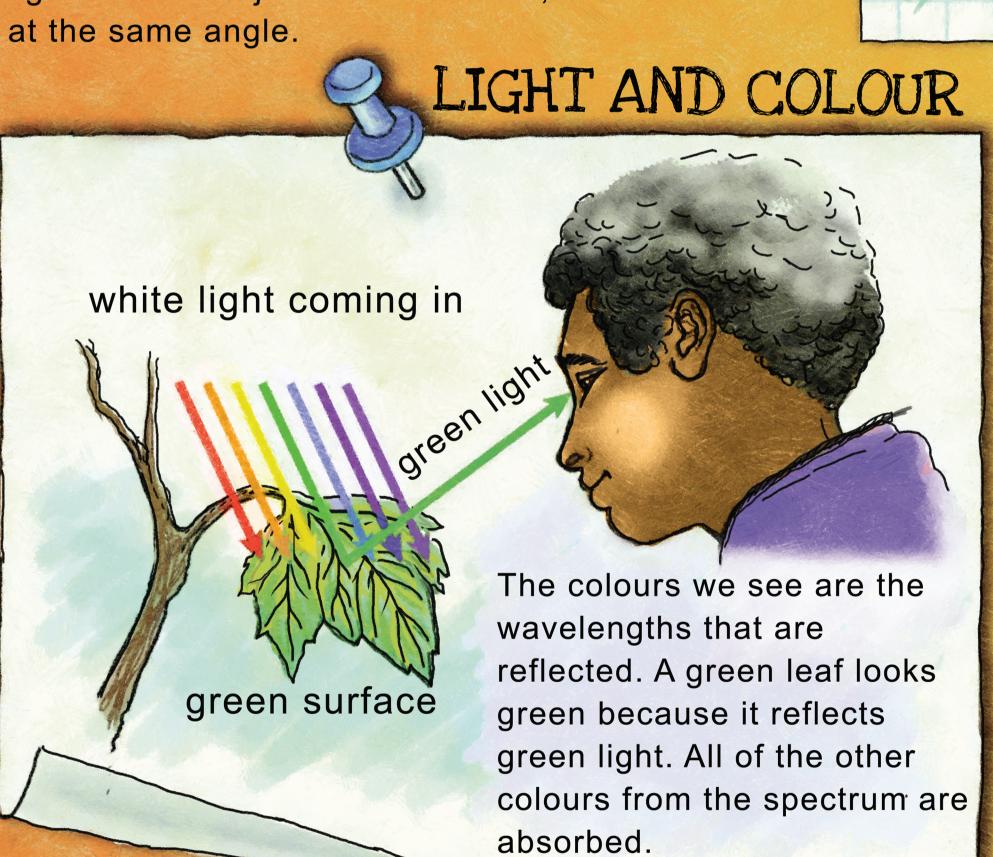
A smooth surface like a mirror reflects light. When light from an object hits the mirror, it bounces back

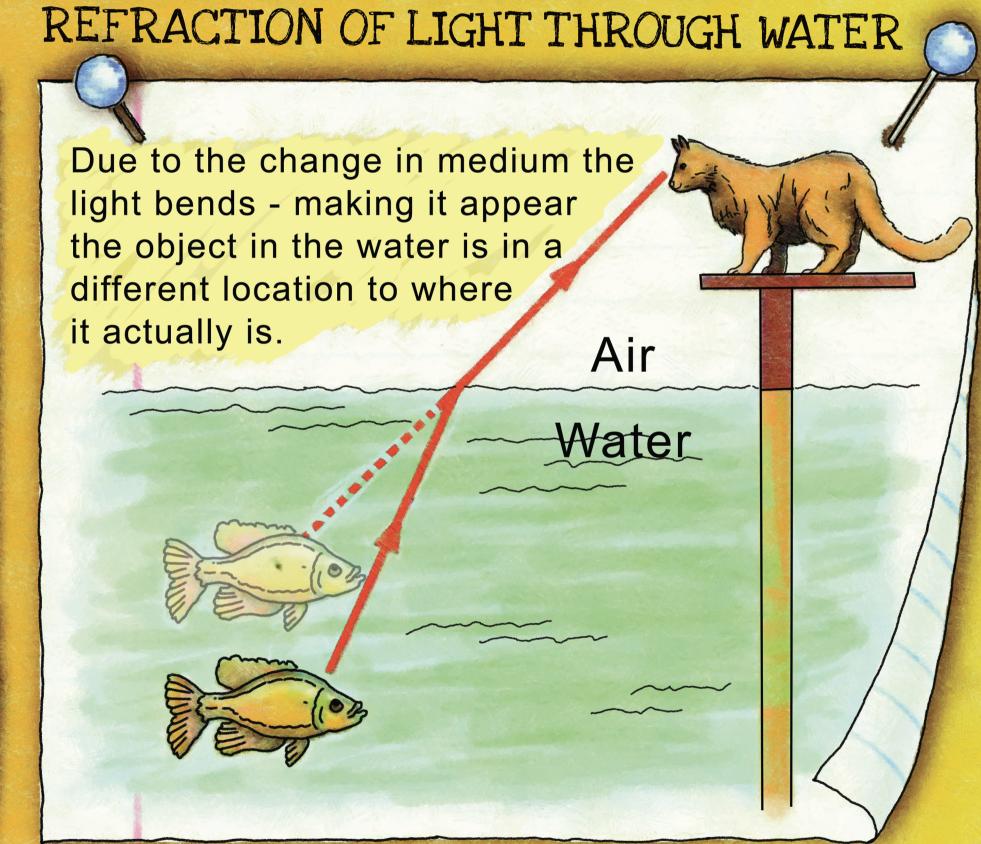


Light rays travel at different speeds through different substances. When light moves from one material to another, the change in speed as it slows down or speeds up causes the light rays to bend. This bending is called refraction.









## THE SPECTRUM OF LIGHT

radio

microwaves

infrared

visible light

ultraviolet

X-rays gamma rays

