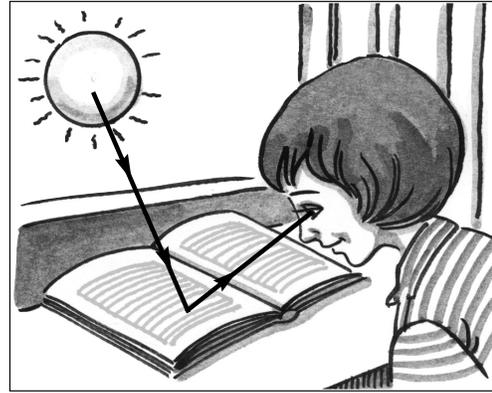
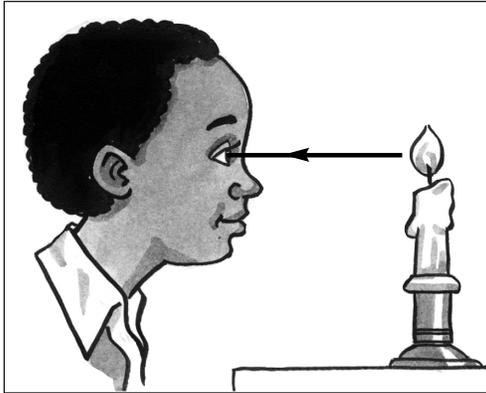


# See the light



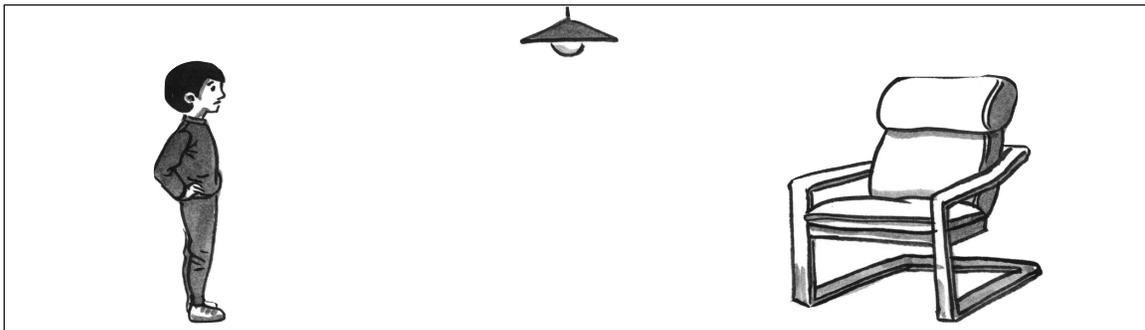
## Background knowledge

The Sun, a lamp, and the stars are all sources of light that we can see when their light rays enter our eyes. But not all objects give off *visible light*. We see one another and objects such as a desk or chair because light from a light source reflects off their surfaces into our eyes. The colors we see are part of the spectrum of light that is reflected into our eyes. A red sweater appears red because when light strikes the sweater, it is reflected back to our eyes.



## Science activity

Sam can see both the light bulb and the chair. Draw arrows to show how the light from the light bulb travels so that he can see both.



## Science investigation

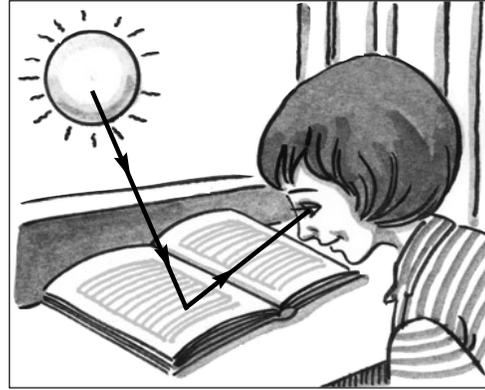
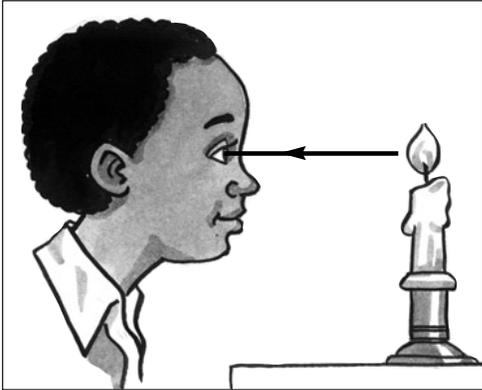
Go into a dark room with a book and flashlight. Can you see the cover of the book? Can you see the colors and words on the book? Next, shine the flashlight on the book. How does what you see now compare with what you saw without light? Explain any differences. What is needed in order to see objects?

# See the light



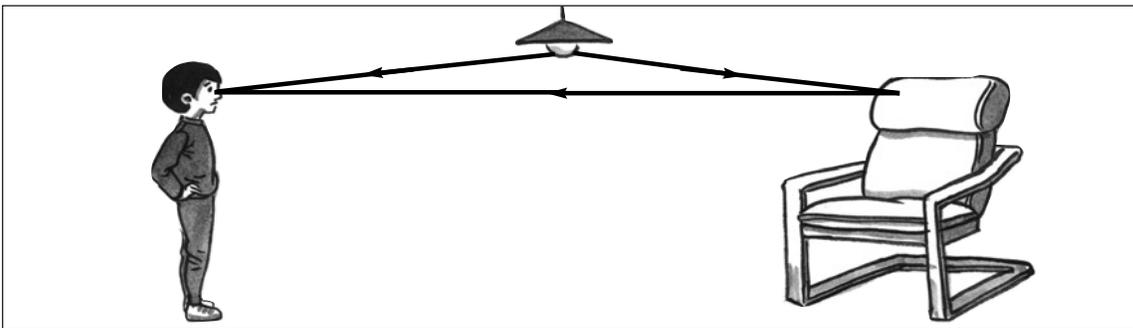
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## Science activity

Sam can see both the light bulb and the chair. Draw arrows to show how the light from the light bulb travels so that he can see both.



## Science investigation

When the room is completely dark, nothing can be seen because no light can be reflected. When the flashlight shines on an object, its light can be reflected off the object, making it visible.