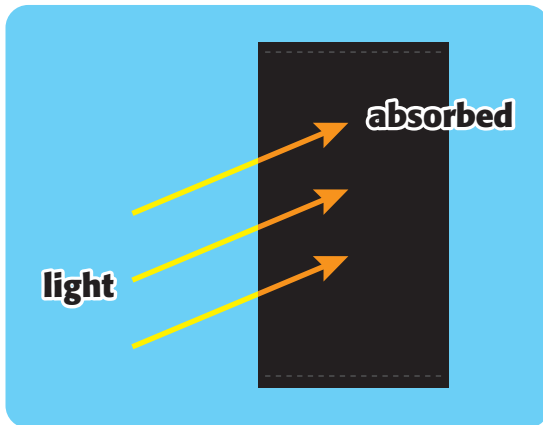
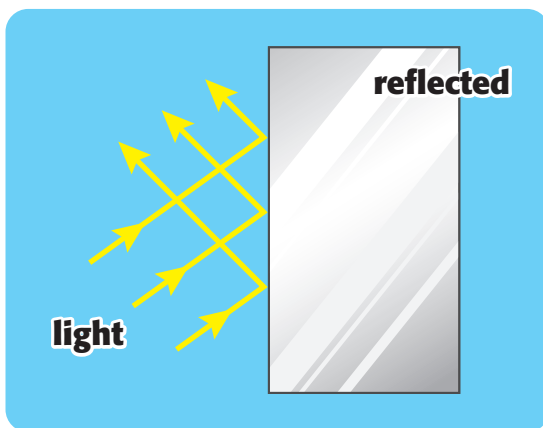


**GREY TOMATOES**

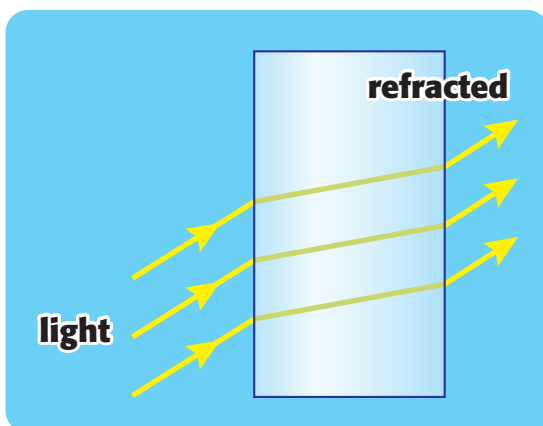
# The Properties of Light

**Absorption**

Materials can absorb light as energy. For example, dark clothing absorbs light to keep us warm. Materials can also absorb certain colours of light. For example, when white light hits a tomato, all colours, except red, are absorbed.

**Reflection**

Reflection of light is what we see. Light hits a material and bounces off and our eyes can see this reflected light. Certain materials, like mirrors, reflect all light in the same direction and allow us to see the image of an object.

**Refraction**

Some materials allow light to pass through themselves. However, the angles at which the light enters and exits are not the same; therefore, the light is bent and refracted and the image we see becomes distorted.