

## Cause and effect

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### Reading Comprehension Worksheet

#### Practice

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Cause and effect are about how one thing can cause something else to happen.

The cause is why something happened.

The effect is what happened.  
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Read about how light causes us to see colors, and think about cause and effect as you read.

#### Light: How We See Colors

Light is a form of energy that we can see. Some light comes from the sun. Other light is man-made. Man-made light uses science to turn another kind of energy, such as electricity, into energy in the form of light.

Light moves in a wavy beam from a source to whatever object it meets. The beam is made up of smaller wavy beams-one for each color. When a light beam is moving through the air, with all the colors together, it appears to be clear.

When a light beam hits an object, such as tree leaves, or an apple, the color of the object affects the smaller color beams inside the entire light beam. The green leaves absorb all of the color beams except green. Only the green beam is reflected back, so our eyes see the leaves as green. The apple absorbs all of the color beams except red. Only the red beam is reflected back, so our eyes see the apple as red. This is called reflection.

Another kind of reflection happens when a light beam hits a smooth, shiny object. When this happens, the entire beam of light bounces back. None of the small color beams are absorbed. The light beam bounces back like a ball thrown against a wall. If we look at the shiny object that is reflecting light, we can see images of the things the reflected light hits as it bounces off the shiny surface, such as our own face!