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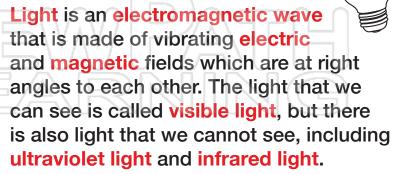
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# Light

Name \_\_\_\_\_ Date \_\_\_\_\_

Light is everywhere. It is produced by luminous objects, such as fires, light bulbs and the Sun. Unlike sound, light does not require matter through which to travel, and it can travel through a vacuum such as space. Light travels at 300 million m/s, faster than anything scientists have yet to discover.



a rays



### **PREVIEW**

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Visible light makes up just a small part of the electromagnetic spectrum, but it too can be broken up into different wavelengths. When passed through a glass prism, an ordinary light beam refracts into the many different colors or wavelengths of light.

The color of an object is determined by the wavelengths of light that reach our eye. A red-colored object appears red because only red light is reflected while the other colors of light are absorbed.





# Light

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#### **Reflection of Light**

Light that bounces off surfaces is called reflection. Because mirrors reflect light evenly, we can see an image in them.

A mirror with a flat surface is called a plane mirror. It is usually made from a sheet of flat glass, with a thin coating of aluminum or silver on the back to reflect the light.



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#### **PREVIEW**

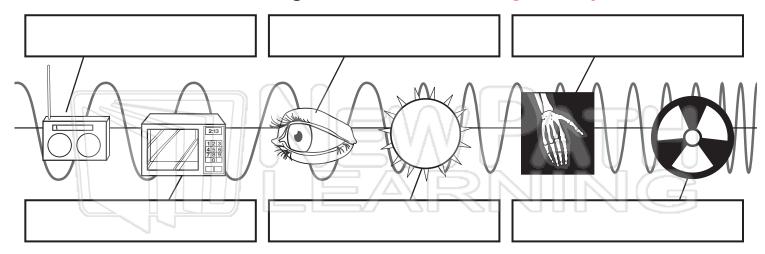
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# Light

Label the different wavelengths on the electromagnetic spectrum.



We can only see wavelengths and frequencies of colors in the visible

spec Colo



#### **PREVIEW**

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Light that bounces off surfaces is called \_\_\_\_\_\_. Because reflect light evenly, we can see an image in them.

Although light normally travels in straight lines, it can bend at the

boundary between two materials with different \_\_\_\_\_\_.

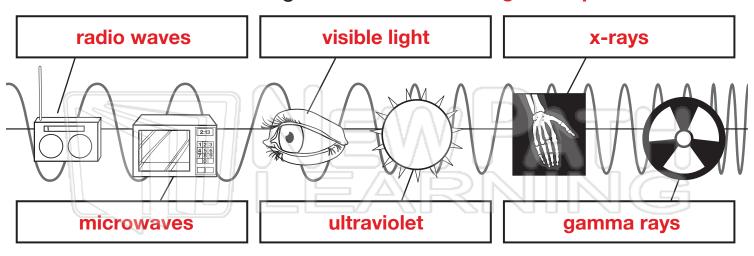
This is called \_\_\_\_\_\_.



## Light

#### **Answer Key**

Label the different wavelengths on the electromagnetic spectrum.



We can only see wavelengths and frequencies of colors in the visible

spec Colo



### **PREVIEW**

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