

## SOUND AND LIGHT

### How is Sound Made?

Sound is made because of something vibrating.



Vibrating  
Vibrating  
You  
We



### PREVIEW

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How

Some sounds are **LOUD** and others are quiet.



**Strong** vibrations make **loud** sounds.

**Gentle** vibrations make **quieter** sounds.

**Volume**, when referring to sound, is how loud or quiet a sound is.

*Let's check what we have learned so far:  
What vibrations make **LOUD** sounds?*

## How Does Sound Travel?

Vibrations caused by **sound waves** cause us to hear sounds.

Sounds travel in waves.



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How

You

when

air passes through them.



You know that animals make **MANY** different sounds: some chirp, some bark, some neigh, some say 'oink oink' and others 'meow'!

## LIGHT: What is Light?

**Light** is also a form of energy.

Light is energy that travels at very high speeds.

When an object blocks light, a **shadow** is created.



Wh  
Ligh  
can



### PREVIEW

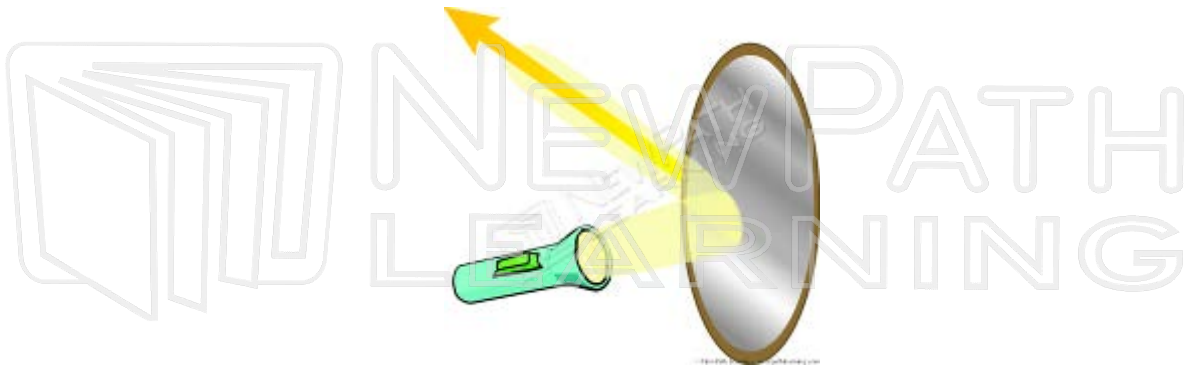
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The SUN is the Earth's MAIN source of light!  
Light from the sun also heats the Earth.

Sunlight causes plants to grow. The sun's energy is stored inside of the plants.

Light travels in a straight line. Light can bounce off of objects. For example, light can bounce off a mirror.



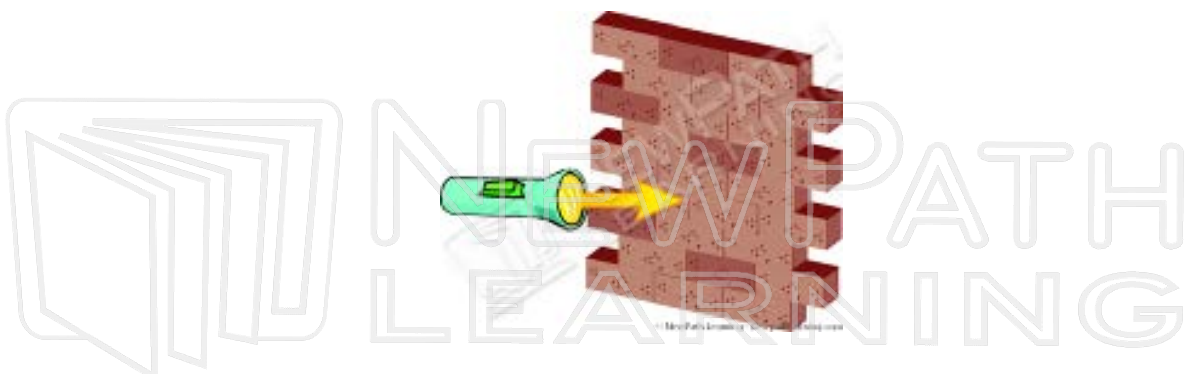
Some objects are transparent, which means light passes all the way through them. An example of a transparent object is a window.



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Other objects are opaque, which means light cannot pass through them. An example of an **opaque** object is a brick wall.



**Let's check what we have learned so far:  
What is our MAIN source of light here on Earth?**