

Light and Sound: Wizz, Bang, Pop!

Vocabulary

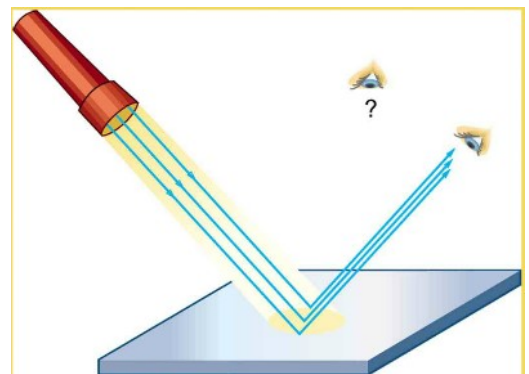
Light source	Light is a type of energy that makes it possible for us to see the world around us. We need light to see. Light comes from different sources called light sources.
reflect	To bend or throw back (waves of light, sound, or heat).
Visible light	Light which you can see.
Ultra Violet radiation	Light which you cannot see or feel on our skin.
Infrared radiation	Light which you can feel (makes us feel warm).
Transparent	Light completely passes through an object and you can clearly see through it.
Translucent	Some light passes through the object and the light is scattered so you can't see clearly through it.
Opaque	No light can pass through the object, it blocks all light.
Vibration	Moving quickly back and forth.
Pitch	Some sounds are high and some are low. Pitch is the rate at which the vibrations are produced.

Key Questions

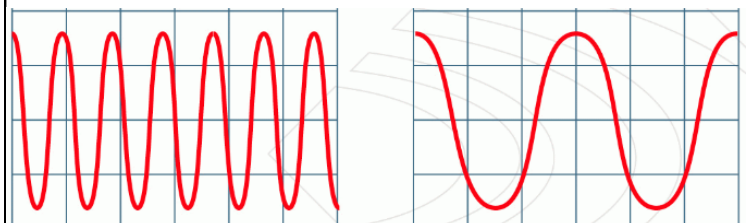
What is light?
What is a light source?
How does light travel?
What happens when light hits a surface?
How are shadows formed?
How are shadows changed?
Is light always safe?
What is sound?
How does sound change?
How does sound travel?

Key Information

- ◆ Light travels in straight lines.
- ◆ The moon is not a source of light because it does not make its own light. We can see the moon because light from the sun reflects off it back to earth.
- ◆ A ray of light travels very fast. Because light travels faster than sound you see lightning before you hear the thunder.
- ◆ The sunlight that we see here on Earth actually left the Sun 10 minutes before.
- When an object moves it creates a vibration. Vibrations move air particles around. These moving particles are constantly bumping into each other. Our ears can pick up these "particle-vibrations" as sound.



Light travels in straight lines.



High pitch, low pitch waves.

Core Text

