



When something **vibrates** a sound is made. Sound is a type of energy.

# Sound

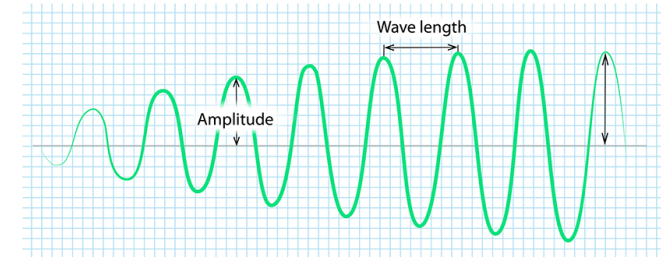
**Volume** - how loud or quiet a sound is.

## SOUND WAVES

**Pitch** is a measure of how high or low a sound is. A whistle being blown creates a high-pitched sound. A rumble of thunder is an example of a low-pitched sound.



The volume of sound is measured in **Decibels (dB)**.



Sound can travel through **air**, or other materials such as brick and water.

Vibrations can't travel through a vacuum (a place with no air).



How we hear sounds:



An object **vibrates**.

Vibrations travel through the air.



Your **ear drum** vibrates.

These vibrations send messages to your brain allowing you to 'sense' the sound.

**Loud sounds can damage your ears.**



The bigger the **vibration** the **louder** the sound.  
The smaller the **vibration** the **quieter** the sound.

The further away you get from a sound source, the quieter the volume gets.

*DISTANCE FROM SOUND SOURCE*

