




<b>sound</b>	Noise that is created by <b>vibrations</b> that we can hear. <b>Sounds are made by something vibrating.</b>
<b>source</b>	Where a sound came from.
<b>vibrate</b>	To move quickly backwards and forwards.
<b>vibration</b>	A movement backwards and forwards.
<b>travel</b>	Sound <b>travels</b> or moves outwards from its source.
<b>pitch (high, low)</b>	The <b>highness</b> or <b>lowness</b> of a sound. A tight drum skin gives a higher pitched sound than a loose drum skin.
<b>volume</b> 	The loudness of a sound. An alarm clock ringing makes a <b>loud</b> sound but an alarm clock ticking makes a <b>faint</b> (quiet) sound.
<b>faint</b>	A sound that is not strong or clear.
<b>loud</b>	Making a lot of noise.
<b>insulation</b>	The act of covering something to stop sound, from escaping or entering

The loudness (volume) of a sound depends on the strength (size) of the vibrations.

Beating the drum harder causes larger vibrations and a louder sound.

Sounds decrease in volume as you move away from the source because the strength (size) of the vibrations decreases as they travel through the medium.

A sound produces vibrations which travel through a medium from the source to our ears.

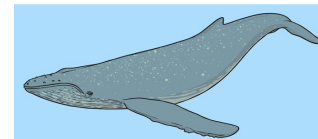


The drum skin vibrates and makes the air around the drum vibrate.

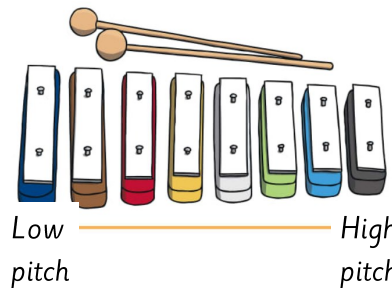


Vibrations from sounds need to travel through a medium. This can be a solid (like wood), gas (like air) or liquid (like water). to the ear.

Whales can communicate underwater.



The pitch (highness or lowness) of a sound is affected by features of objects producing the sounds. For example smaller objects usually produce higher pitch



The sound is louder closer to the sound source.



The sound is fainter further away from the sound source.

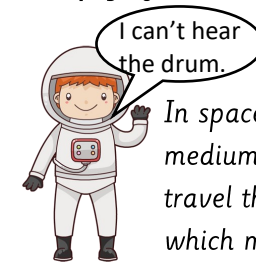


The vibrations cause parts of our body inside our ears to vibrate, allowing us to hear (sense) the sound.



We only hear a sound once it has reached our ears.

Sound cannot travel through a vacuum (an area empty of matter).



In space there is so no medium for the sound to travel through. It is a vacuum which means there is no air.

A sound insulator is a material which blocks sound effectively.

