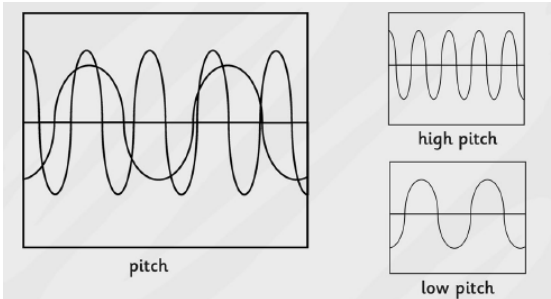


Year 4: Sound

Pitch

The pitch of a sound is how high or low the sound is. A high sound has a high pitch and a low sound has a low pitch.



A high pitch = a dog whistle.

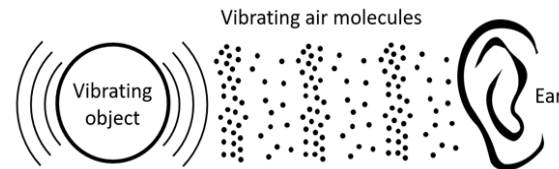
A low pitch = base drum.

Volume of sound

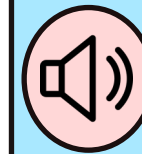
The louder the sound the bigger the volume.

The sound of the vibration is called amplitude.

Quieter sounds have a smaller amplitude, and louder sounds have a bigger amplitude.



KEY VOCABULARY:



Sound: Vibrations that travel through the air to someone's ear



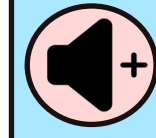
Vibrate: A quivering motion



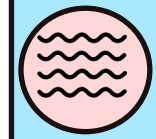
Vibration: An instance of vibrating



Travel: Move, typically in a constant or predictable way



Volume: How loud or quiet a sound is



Wave: A sound wave is an invisible wave which moves through different medium



Amplitude: A measure of the strength of a sound wave. The size of the vibration

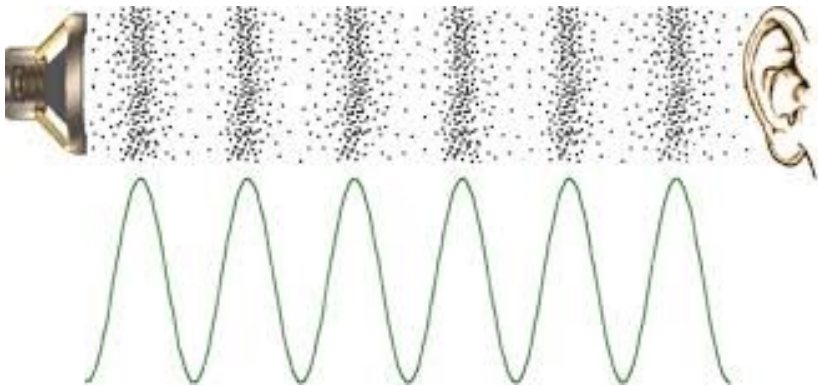


Pitch: How high or low a sound is

How do we hear?

The sound waves travel to the ear and make the ear drums vibrate.

Messages are sent to the brain which recognises the vibrations as sounds.



How does sound travel?

When objects vibrate, a sound is made.

The vibration makes the air around the object vibrate and the air vibrations enter your ear. These are called sound waves.

If an object is making a sound, a part of it is vibrating, even if you cannot see the vibrations.



Sound waves travel through a medium such as air, water, glass, stone and brick.