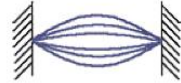
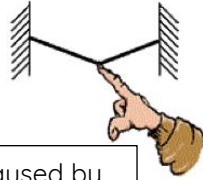


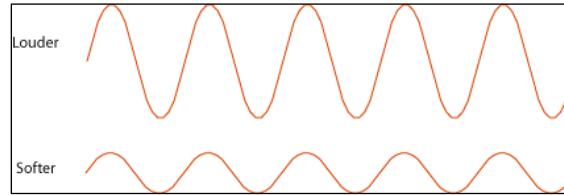
Sound



Sound is caused by something vibrating.



The vibrations create sound waves. The stronger the vibrations, the louder the volume.



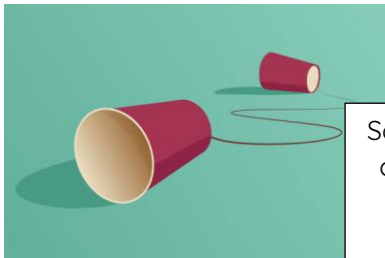
The vibrations travel through the air to our ear so we can hear the sound.



We can change something's pitch by making it longer/shorter or thinner/fatter.



There is no sound in space: there is no air for the vibrations to travel through.



Sometimes, the vibrations can travel through solid objects to our ear, like through string.

Vocabulary	
Key Words	Definitions
distance	How far away something is.
duration	How long something lasts for.
insulation	Something which protects by stopping things like sound or heat passing through it.
insulator	A material which does the insulating.
pitch	How high or low a noise sounds.
sound source	Something which is creating a sound.
speaker	Short for 'loudspeaker', which turns electrical signals into sound.
tone	A musical sound, referencing its pitch, quality and strength.
vibration	A quick, backward-and-forwards movement.
volume	How loud something is.
wave	Sweeping up and down or forwards and backwards movement of energy or particles.

Soundproofing

Pliable materials that have air pockets in, like a sponge or bubble wrap, will be the best at absorbing sound

