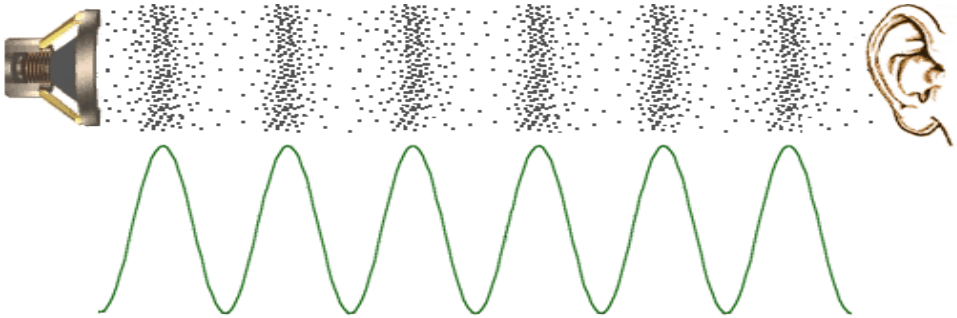
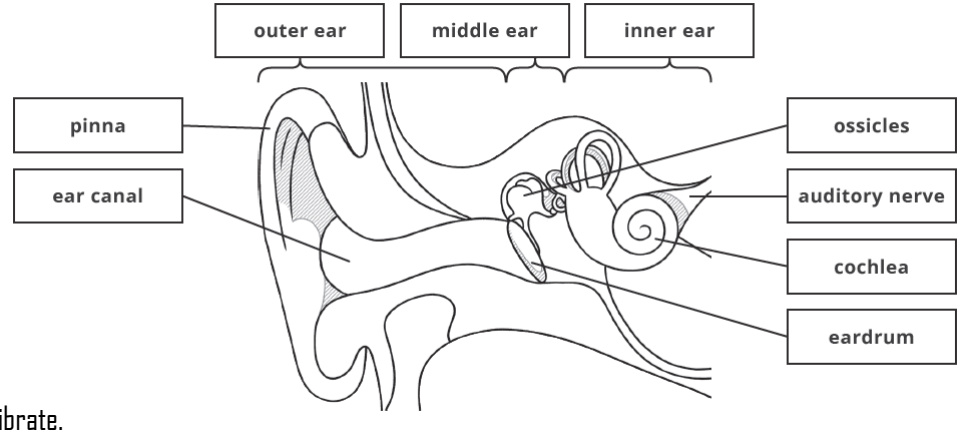
How does sound travel?



Sounds are vibrations transmitted from their source in all directions.

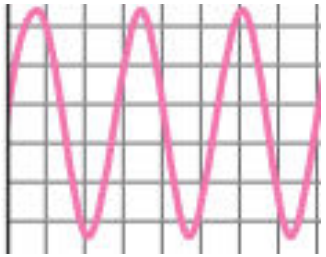


Sound waves carry energy from one place to another by moving through materials and making them vibrate.

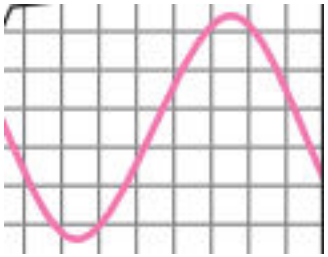
The sound waves travel to the ear and make the eardrums vibrate.

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

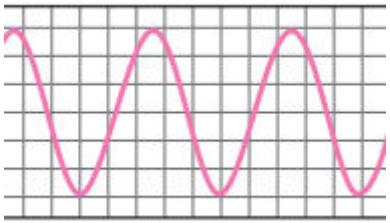
Frequency	The number of vibrations per second.
Amplitude	How strong a sound wave is.
Pitch	How high or low the sound is.
Volume	How loud or quiet something is.
Decibels (dB)	The unit of measure used to measure the volume of a sound.



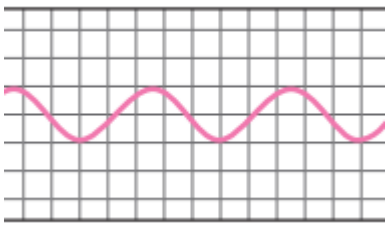
The faster the vibration the higher the pitch.



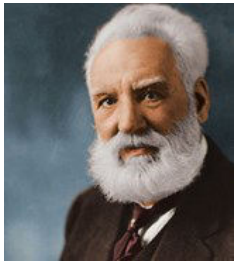
The slower the vibration the lower the pitch.



The larger the amplitude the louder the sound.



The smaller the amplitude the quieter the sound.



Alexander Graham Bell experimented with transmitting speech: sending sound from one place to another.
In 1876, he created the first telephone!
He also invented a sound recorder and player called a graphophone.