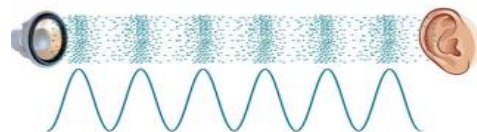
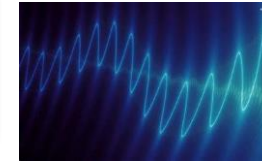


## Key Vocabulary

Frequency	The frequency of a sound wave is the rate at which it vibrates.
Sign language	A language that uses signs made with hands and other movements.
Fair test	In a fair test two or more things are compared. In order for a test to be fair or scientifically sound only one thing is changed.
Prediction	A statement about what you think will happen.
Volume	The level of sound we hear.
Particles	Energy.
Sound Waves	Sound is made up of vibrations of sound waves that we hear. Objects vibrating back and forth.
Sound	Vibrations that travel through the air-noise.
Vibrations	Vibrating forms of energy made up of molecules and looks like waves.



# Science Sound

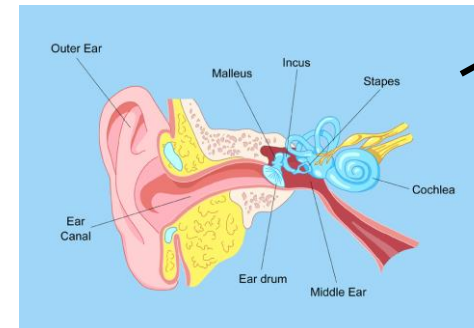
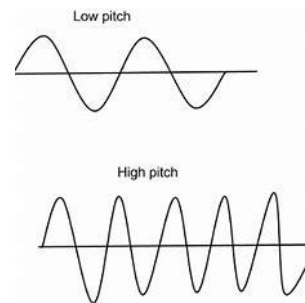


## How are sounds made and how do they travel?

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.



The pitch of a sound is how high or low it is. A squeak of mouse has a high pitch. A roar of a lion has a low pitch.



## Did you know?

- Sound can travel through solids, liquids and gases.
- Sound travels as a wave, vibrating the particles in the medium it is travelling in.

Inside your ear, vibrations hit the eardrum and are then passed to the middle and then the inner ear. They are then changed into electrical signals and sent to your brain. Your brain tells you that you are hearing a sound.