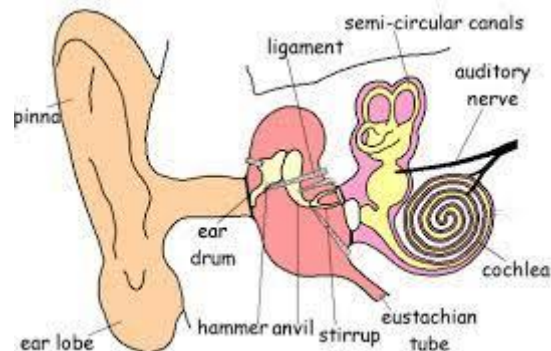




### What should I already know?

- Hearing is one of my five senses.
- Sounds can be combined using musical instruments.

### Diagrams



### What will I know by the end of this unit?

- Sounds are made when objects vibrate, causing sound waves which enter the ear.
- Sound waves are caused by vibrations in the air.
- Pitch is how high or low a sound is.
- Volume is how loud or quiet a sound is.

### Vocabulary

**Decibel** - a measure of how loud a sound is.

**Frequency** - a measure of how many times per second a sound wave cycles.

**Pitch** - how high or low a sound is.

**Sound waves** - invisible waves that travel through solids, liquids and gases as vibrations.

**Source** - where a sound comes from.

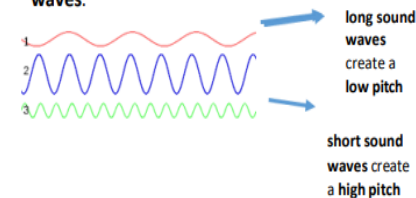
**Transmit** - To travel from one person or place to another.

**Vibrations** - invisible waves that move quickly. Sound travels to the ears through vibrations.

**Volume** - how loud or quiet a sound is.

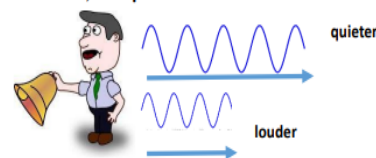
### Significant Places and Information

- **High pitch** sounds are created by short sound waves.
- **Low pitched** sounds are created by long sound waves.



#### Volume:

- The closer you are to the **source** of the sound, the **louder** the sound will be.
- The further away you are from the **source** of the sound, the **quieter** the sound will be.



### Working Scientifically

Ask relevant **questions**.

**Make predictions** using scientific evidence.

**Observe and measure** using complex standard units.

**Record and present data** including bar charts.

**Communicate and interpret** about what has happened and explain why.

Use results **to evaluate** and state whether their predictions were correct.

**Make new questions** and **predictions** for a further test.