



YEAR 4 – SOUND Knowledge Organiser

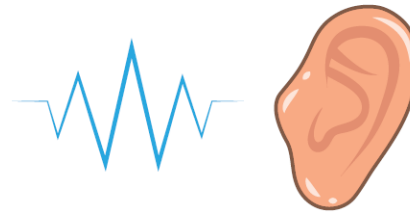


Vocabulary

- **Sound** – vibrations that travel through the air and other mediums and can be heard.
- **Vibration** – very quick back and forth movements.
- **Pitch** – how low or high a sound is
- **Volume** – how loud or quiet a sound is.
- **Sound waves** – vibrations travelling from a sound source.

What is sound?

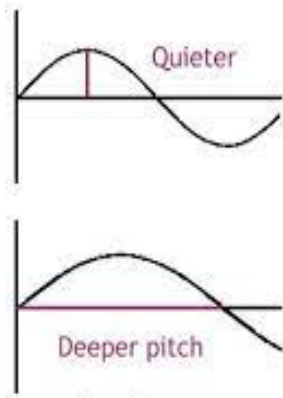
Sounds are made when objects **vibrate**. The vibration makes the air around vibrate, causing **sound waves**. The sound waves enter your **ear** and you hear the **vibrations** as sound.



Parts of the Ear

- **Ear** – the organ used to hear.
- **Pinnae** – the outside flaps of the ear which catch the vibrations.
- **Eardrum** – thin layer of tightly stretched skin. It vibrates when sound waves hit it
- **Hammer** – one of the three tiny bones in the ear. It moves when the ear drum vibrates.

Pitch and Volume



- Volume (loudness) of sound is measured in **decibels (dB)**.
- This is actually a measure of intensity, which relates to how much energy the **sound wave** has.
- 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**.

The Ear

