



Knowledge

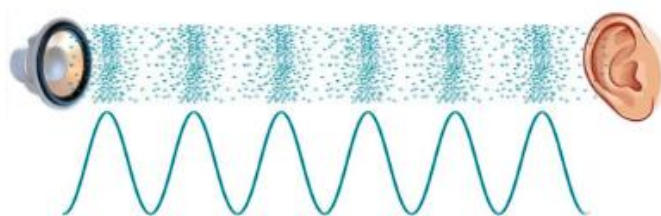


Vocabulary

When objects vibrate, a sound is made.

The vibration makes the air around the object vibrate and the air vibrations enter your ear.

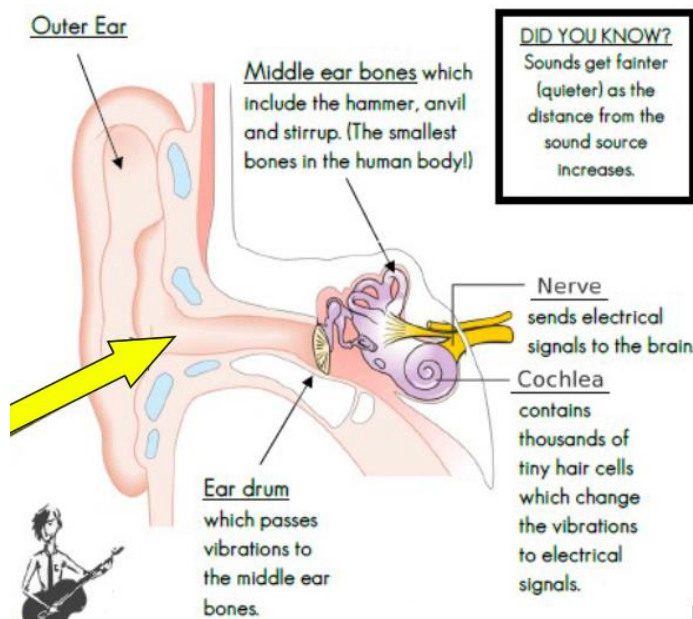
These are called **sound waves**.



Sound waves need a **medium** (such as air, water, glass, stone, and brick) to travel through.

The **volume** of a sound is how loud or quiet it is.

Quieter sounds have a smaller **amplitude** (smaller vibrations) and louder sounds have a bigger amplitude (larger vibrations).



The sound waves travel to the ear and make the **eardrums vibrate**. Messages are sent to the brain which recognises the vibrations as sounds.

Sound source - where sound comes from. A sound source will produce vibrations.

Vibrations - something moving backwards and forwards very quickly.

Volume - how loud or quiet a sound is. It depends on the amplitude of the sound wave.

Medium - a material that allows transfer of sound from one place to another.

Amplitude - a measure of the strength of a sound wave. Size of the vibration.

Insulation - material used to block sounds.

Volume - how loud or quiet a sound is. Depends on the amplitude of the sound wave.

Wave - sound wave is an invisible wave which moves through different medium.

Vacuum - space completely empty of matter, sound can't travel through it.