

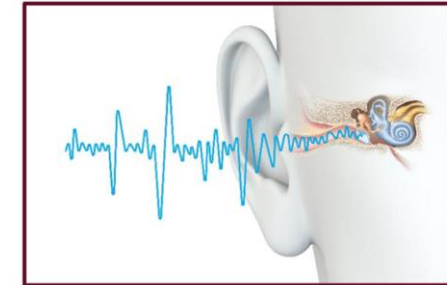
SOUND

Vocabulary

Vibration: A movement backwards and forwards. **Sound Wave:** Vibrations travelling from a sound source. **Source:** The beginning; where something comes from. **Volume:** The loudness of a sound. **Amplitude:** The size of a vibration. The larger the amplitude the louder the sound. **Pitch:** How high or low a sound is.

Hearing Sounds

Sound waves travel through solids, liquids and gases. Sounds are made when objects vibrate. When an object vibrates so does the air around it (sound waves). Sound waves travel to the ear and make the ear drums vibrate. Messages are sent to the brain which recognises the vibrations as sounds.



Pitch

Pitch is a measure of how high or low a sound is. The faster the vibrations, the higher the pitch. Slower vibrations produce a lower pitched sound.

Amplitude

The size of the vibration is called the amplitude. Louder sounds have a large amplitude and quieter sounds have a smaller amplitude.



Soundproofing

Some materials are good at preventing vibrations from sound sources reaching the ears. These can be used to soundproof (absorb the sound) effectively.

