

Sound

Key Vocabulary:

Sound- the noise you hear when vibrations travel through the air into the ear.

Vibration- a back and forth movement.

Volume- a measure of how loud or soft something sounds.

Amplitude- the strength of sound pressure.

Pitch- how high or low a sound is.

Soundwaves- vibrating forms of energy. The vibrations from sound waves send signals to our brain to create sound.

Frequency- how many soundwaves there are per second.

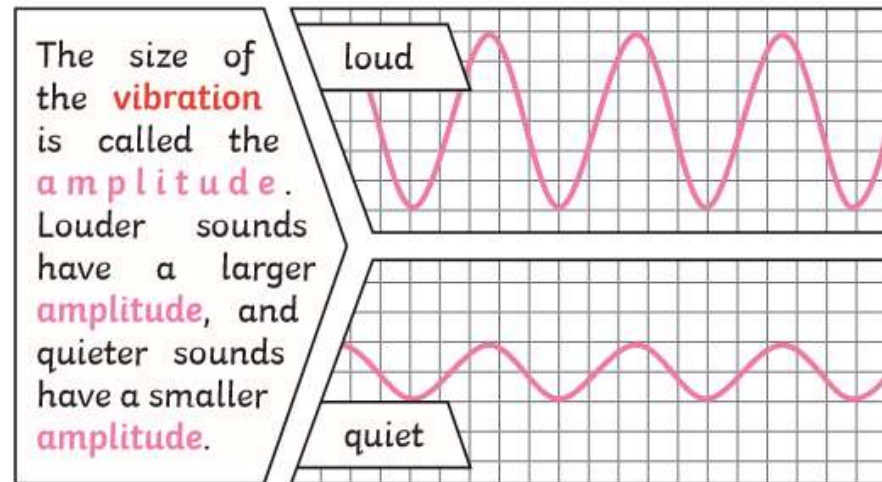
Fair Test- an investigation where one thing is changed and all other variables stay the same.

Prediction- what you think will happen.

Key Knowledge

Sound is a type of energy. Sounds are created by **vibrations**. The louder the sound, the bigger the **vibration**.

Sound can travel through solids, liquids and gases. Sound travels as a **wave**, **vibrating** the **particles** in the medium it is travelling in. Sound cannot travel through a vacuum.



Pitch is a measure of how high or low a sound is. A whistle being blown creates a high-**pitched** sound. A rumble of thunder is an example of a low-**pitched** sound.



Inside your **ear**, the **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.

