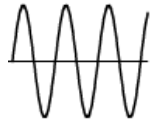


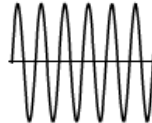


Vocabulary	Meaning
vibration	moving back and forth quickly
sound waves	the way sound travels
electrical signal	vibrations are collected, converted into these signals and the brain changes these signals into sounds
cochlea	the inner ear
auditory nerve	a bundle of nerve fibres that carries hearing information between the cochlea and the brain
pitch	how high or low a sound is
vibration speed	how close together the vibrations occur
wavelength	the distance between two peaks of sound
hertz	measure of frequency of pitch
decibel	a unit used to measure the intensity of a sound
particle	a minute portion of matter
matter	a particular substance
clarity	the quality of being easy to hear
source	where something is from or where it starts from
faint	not completely clear
distance	how far away something travels

Key knowledge – What is meant by pitch?



Lower
Pitch



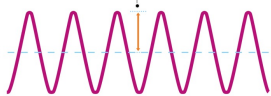
Higher
Pitch


High and low are words to describe the pitch of a sound. A high sound has a high pitch and a low sound has a low pitch. The pitch of an object changes depending on how fast it is vibrating. If an object vibrates quickly, high-pitched sounds are heard.

Key knowledge – What is meant by volume?


Sounds can be either loud or quiet. We call this property of sound 'volume'.

A nail hit hard will make a loud sound.







A nail hit gently will make a quieter sound.



Key knowledge – How do we measure pitch and volume?





This is a Sound Meter app. It is a data logger that also measures the pitch and volume of a sound.