

## Key vocabulary

ear

hear

sound

pitch

vibrations

volume

sound wave

distance

sound proof

frequency

loud / louder

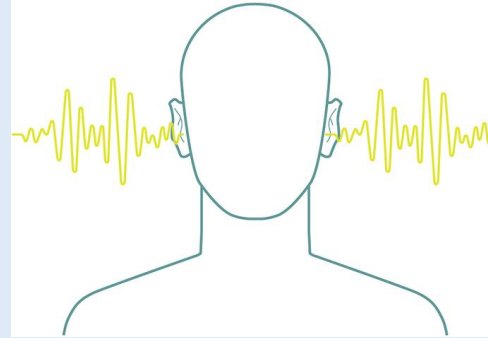
quiet / quieter

decibel / dB

Throughout this unit, we will continue to focus on working scientifically through a range of experiments where we will identify, compare, classify and record data.



## Spring 1 - Sound



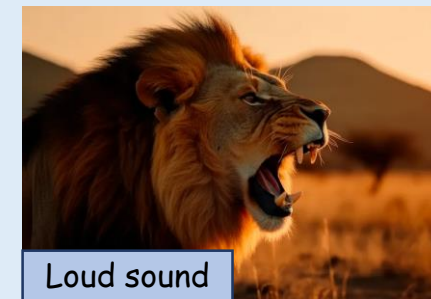
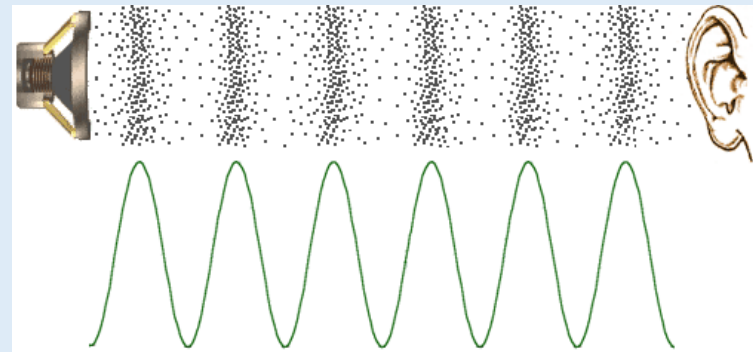
### Overview

- Sounds are made when objects vibrate.
- Vibrations travel from objects in waves to our ears, allowing us to hear sound.
- Weak vibrations make a gentle soundwave which do not travel as far as strong vibrations. This is why different sounds are made from different vibrations.

### How sounds are made

Sounds are created when something vibrates (shakes back and forth).

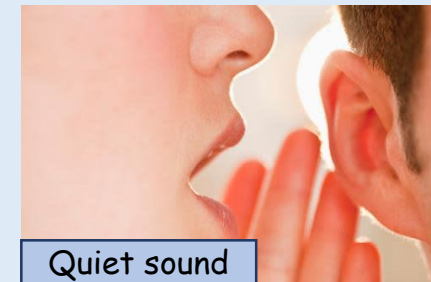
- This creates soundwaves which travel to the ears of the listener.
- When a bell is struck, the metal of the bell vibrates. These vibrations create waves in the air - producing a sound wave.
- When they reach our ears, they make our eardrums vibrate and we hear the sound of the bell ringing.



Loud sound



High pitch



Quiet sound



Low pitch