

Focus:

# SOUND

Key terms:

**Vibration:** a quick movement from side to side.

**Particles:** something that is so tiny we can't see it. Solids, liquids and gases are made from **particles**.

**Medium:** a material that sound can travel through

**Sound wave:** vibrations travelling from a sound source.

**Volume:** the loudness of sound.

**Pitch:** how low or high a sound is.

**Echo:** a sound that is repeated back because sound waves are reflected back.

**Eardrum:** part of the ear which has a thin layer stretched out like a drum.

**Vacuum:** A space where there is nothing.

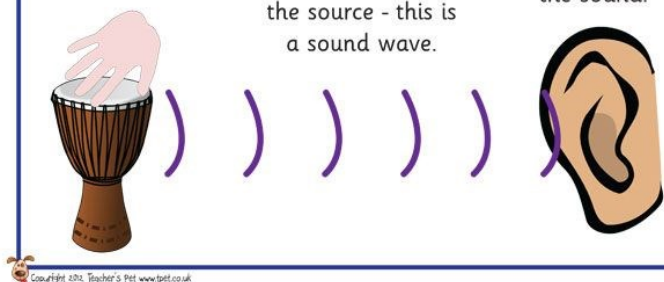
**Decibels:** the loudness of sound is measured in **decibels**

## SOURCES OF SOUND

The drum skin vibrates and makes the air around the drum vibrate.

The vibrating air spreads away from the source - this is a sound wave.

Finally, your ear picks up the sound wave and your brain translates the sound.



### What I already know (should know):

- We hear through our ears.
- Sound is one of our five senses.

### Key facts to retain (must know):

- Sound is produced by vibrations.
- How sound travels from an object to the ear and sends a message to our brain.
- The main parts of the ear.
- Sound is measured in decibels.
- Sound travels differently through different materials.
- Pitch is how high or low the sound is and that the vibrations affect this.
- Animals hear sounds differently.
- How an echo is created.
- Sound and light travel at different speeds.

