

## Key Vocabulary

ear  
eardrum  
pitch  
sound wave  
vibration  
volume

## Volume

How loud or quiet a sound is.



## Pitch

How high or low a sound is.



# Physics

## Science Y1: Sound

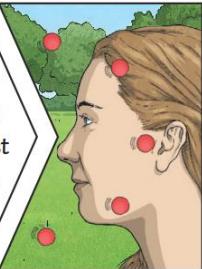
### Key Knowledge

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

When you hit the drum, the drum skin **vibrates**. This makes the air **particles** closest to the drum start to **vibrate** as well.



The **vibrations** then pass to the next air **particle**, then the next, then the next. This carries on until the air **particles** closest to your ear **vibrate**, passing the **vibrations** into your **ear**.



How does sound **travel**?

Sound travels **through** the air.

Sound travels **through** vibrations.

Nearly everything that moves makes a sound.



## vibrate

to move something fast back and forward.



The sound of a loud noise makes your **eardrum** **vibrate** (move).



When something makes a noise, the air all around it moves. The moving air hits your **eardrum** and makes it **vibrate** (move back and forth very fast). When your **eardrum** **vibrates**, you hear the sound.

Links to other subjects:

Music