



What is Sound?

Let's explore vibrations and noises!



Key Words



Sound

The noise we hear when things vibrate.



Vibration

A very fast wiggling or shaking movement.



Sound Source

The object that makes the sound.



Energy

The power needed to make things move or work.

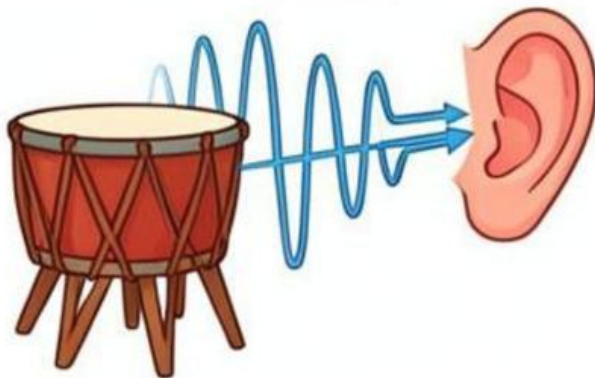
Sound is Moving Energy

What is Sound?

Sound is a type of **energy** that we can hear. It is made when objects move back and forth very quickly.

How it Starts

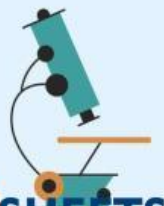
This movement is called a **vibration**. When an object vibrates, it shakes the air around it, creating sound waves that travel to our ears!



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Let's See Sound in Action



Sounds Around Us in Malta

Natural Sounds

Listen closely! Can you hear the **waves** crashing on the rocks? What about the **birds** singing in the trees?

Artificial Sounds

These are sounds made by people or machines. Can you hear the **church bells** ringing or a **bus** driving down the street?



Quick Check: Natural or Man-made?

Answers on the next slide...

Which of these sounds is made by nature?

1. A car horn

2. A church bell

3. Thunder during a storm

4. A construction drill

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Classifying Sounds: Loud vs Quiet



Loud Sounds

Loud sounds have strong vibrations. Think of a **firework** exploding or a **shout**!

Quiet Sounds

Quiet sounds have soft vibrations. Think of **whispering** to a friend or **leaves** rustling in the wind.



Pleasant Sounds vs Noise

Pleasant Sounds

These are sounds we enjoy, like your **favourite song**, **birds singing**, or someone playing a **guitar** gently.

Noise

Noise is a sound that is annoying or too loud, like **traffic**, **drilling**, or **scratching** on a blackboard.



True or False?

A loud sound creates stronger vibrations than a quiet sound.



TRUE



FALSE

Answers on the next slide
LIVEWORKSHEETS

True or False?



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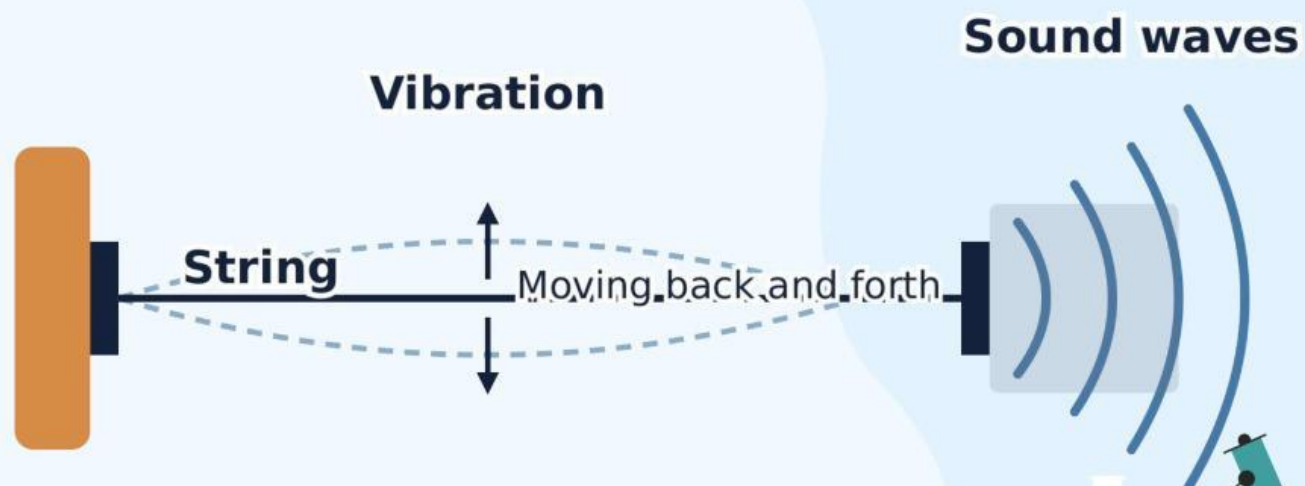


TRUE

That's right! The bigger the vibration, the louder the sound is.



How Instruments Make Sound



Seeing Vibrations

Drum Skin

When you hit a drum, the skin moves up and down very fast.



Guitar String

Plucking a string makes it wiggle, which creates a musical note.



Rice Dance

Rice on a drum jumps when hit due to vibration.

Vibration



Activity: Feel Your Voice!

Place your hand gently on your throat. Say 'Ahhh' loudly, then whisper it very softly. Can you feel the vibrations? The vibrations are stronger when you are loud!

What you'll need: 🎨 🖋️

Just your voice and your hand



Class Discussion



What is the loudest sound you have ever heard in Malta? Was it a pleasant sound or a noise?