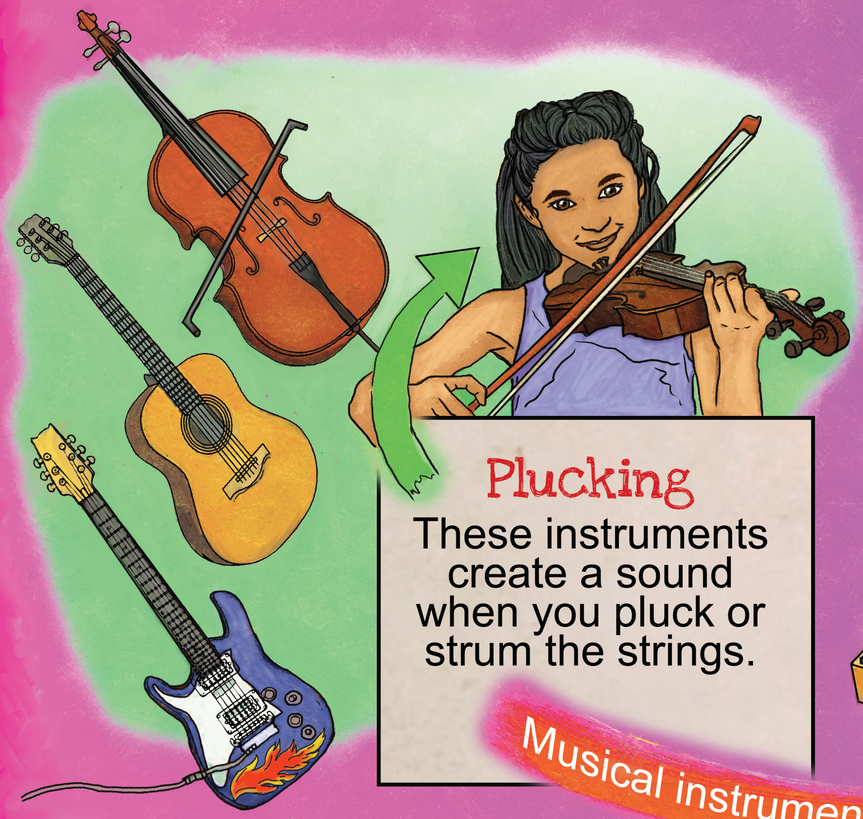
MUSIC AND SOUND

What is Sound? Sound is actually an energy wave that creates vibrations. When an object vibrates it causes air particles to move and bump into each other in waves. We call these vibrations SOUND WAVES. Our ears can pick up these "particle-vibrations" as sound.

The confusing thing about a piano is that it is two different kinds of instrument in one; it's a plucking instrument, because the sounds are made with strings, but it's also a beating instrument because the strings make sounds when something hits them.

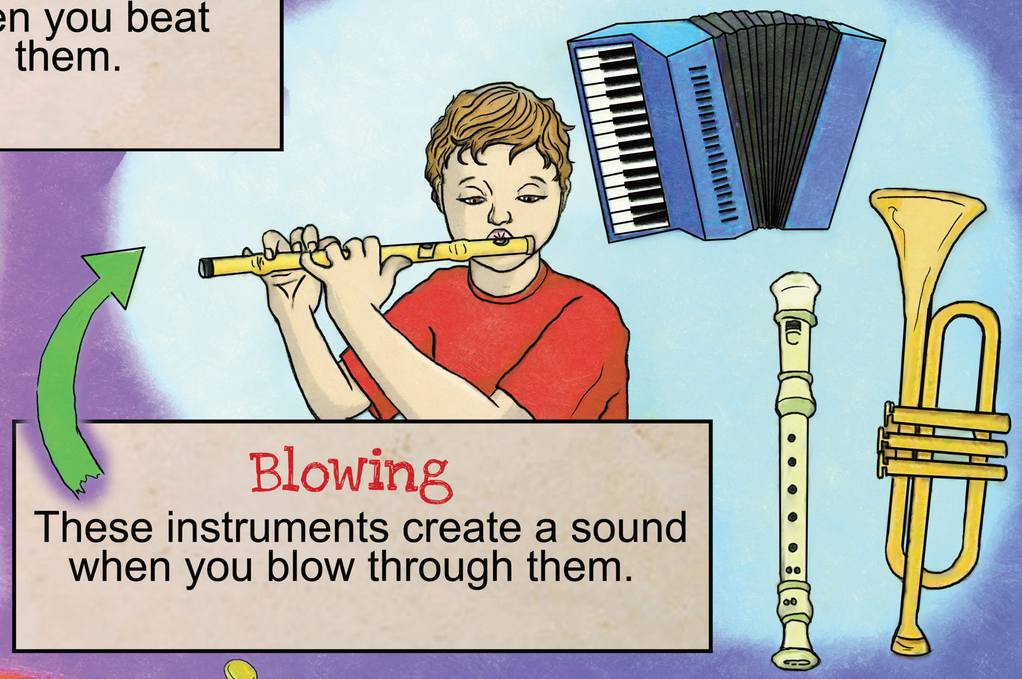


Plucking

These instruments create a sound when you pluck or strum the strings.

Beating

These instruments create a sound when you beat them.

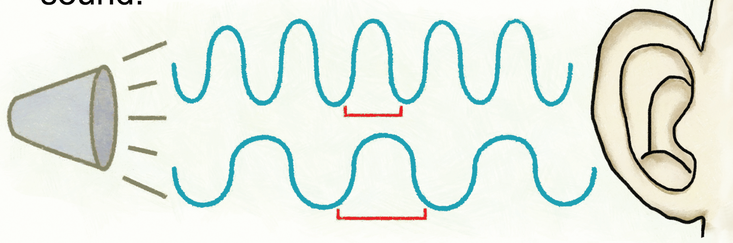


Blowing

These instruments create a sound when you blow through them.

Musical instruments use movement to create sound.

High Frequency Sound : Short wavelengths mean more waves and have a higher pitch sound.



Low Frequency Sound : Long wavelengths mean less waves and have a low pitch sound.

Loudness

- Sound is a type of ENERGY
- The louder a sound is the more energy it has
- The quieter a sound is the less energy it has
- As you move away from a sound, the quieter the sound becomes

The more energy you put into striking the hammer, the louder the sound.

Try This !!!

Have you ever tried to make a nice sound by rubbing the rim of a wine glass? When you wet your finger and drag it around the rim, it slips and sticks to the glass - similar to the way a violin bow slips and sticks to the strings that it plays. This "slip-stick" motion causes the glass to start vibrating.