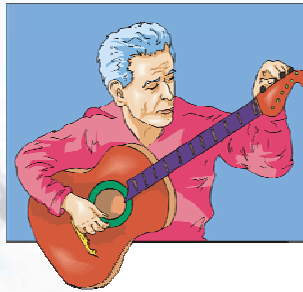
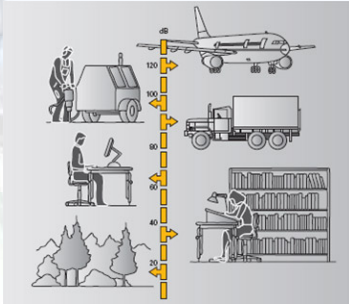
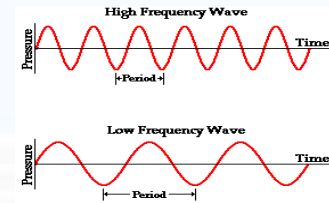


# Changing Sounds Fact Sheet

Sound is measured in **decibels**

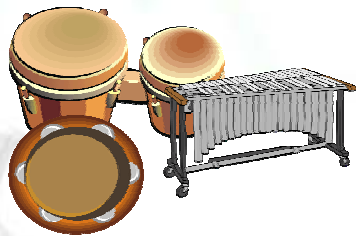


Tuning a guitar changes the **tension** of the strings, to change the **pitch**, making it **higher** or **lower**



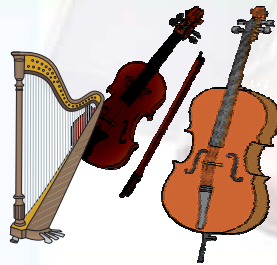
Sound travels in **sound waves**. Lower pitched sounds vibrate with less frequency than higher pitched sounds

Different musical instruments give different sounds



**Percussion instruments**

**String instruments**



Brass and Woodwind instruments are both types of **wind instruments**.



Sound insulators, like bubble wrap, can be used to **muffle** sound



Sound sources are where a sound comes from.

The **volume** is the loudness of a sound



# Changing Sounds Glossary

<b>decibels (dB)</b> - the units that sound is measured in	<b>percussion instruments</b> - instruments that vibrate to make a sound when they are hit, tapped, banged or shaken e.g. drum, tambourine	<b>tension</b> - a measure of how tight a string or skin is
<b>ear canal</b> - the passage between the ear and the ear drum	<b>pitch</b> - the frequency of a note	<b>tuning</b> - the alteration of a sound producer such that the notes it makes are higher or lower pitched e.g. tightening the drum skin makes the sound higher pitched
<b>ear drum</b> - the thin skin within the ear that transmits vibrations to the middle ear	<b>sound insulator</b> - a material that muffles sounds	<b>vibration</b> - the movement backwards and forwards of different sound producers e.g. a violin string, a drum skin,
<b>frequency</b> - the number of times a sound wave vibrates in a second	<b>sound source</b> - the origin of a sound e.g. a musical instrument, an animal	<b>volume</b> - how loud or soft a particular
<b>high pitch</b> - fast, high frequency vibrations give high pitched sounds	<b>sound waves</b> - the vibrations produced by a sound source	<b>wind instruments</b> - instruments that produce sounds when a column of air vibrates e.g. recorder, flute
<b>low pitch</b> - slow, low frequency vibrations give low pitched sounds	<b>string instruments</b> - instruments that make a sound when strings vibrate after they are hit, drawn or plucked e.g. violin, guitar	
<b>muffle</b> - to insulate a sound to make it quieter		
<b>note</b> - a clear, pure sound e.g. a note played on a piano		

