

The Orchestra



What does an orchestra play?

Music!!

But what is music?

Sound

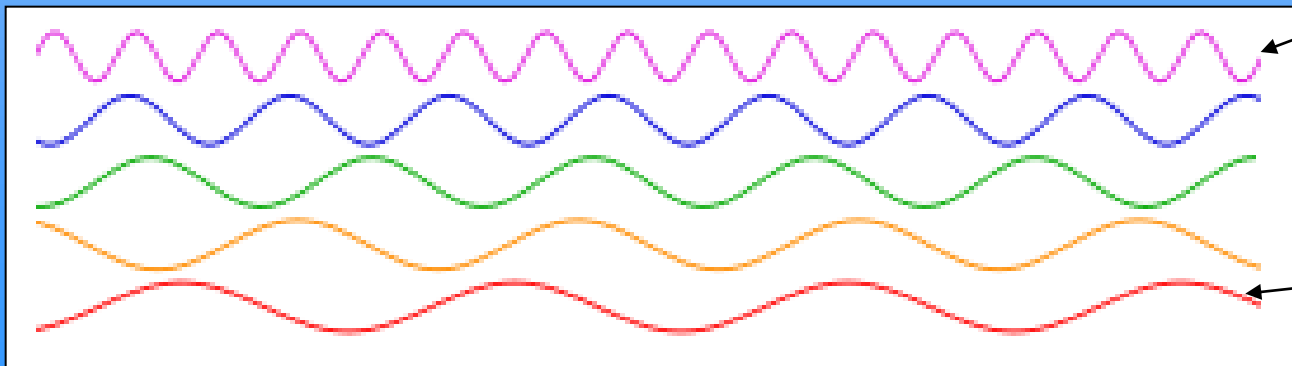
What is sound?

Vibrations

Vibrations

- ♪ An instrument makes sound when it vibrates. Vibrations create sound waves.
- ♪ Big waves create low sounds and small waves create high sounds.

Soundwaves



**Small wave =
High Sounds**

**Big wave =
Low Sounds**

Instruments

- ♪ BIG instruments create BIG sound waves.
- ♪ This means BIG instruments create LOW sounds.
- ♪ SMALL instruments create SMALL sound waves.
- ♪ This means SMALL instruments create HIGH sounds.

The Orchestra



♪ An orchestra is a large group of instruments.

♪ It is split up into four sections, these are called families.

String

Brass

Woodwind

Percussion

The Families

Each family in the orchestra is made up of instruments with similar characteristics.

These characteristics can be:

- ♪ What the instruments look like
- ♪ How they are played
- ♪ What they are made of

It is when **ALL FOUR** families are playing together they create an orchestra.

String Family



The family of instruments which has strings. The sound is produced by dragging a bow across the strings or by plucking them with the fingers.

Violin



Viola



Cello



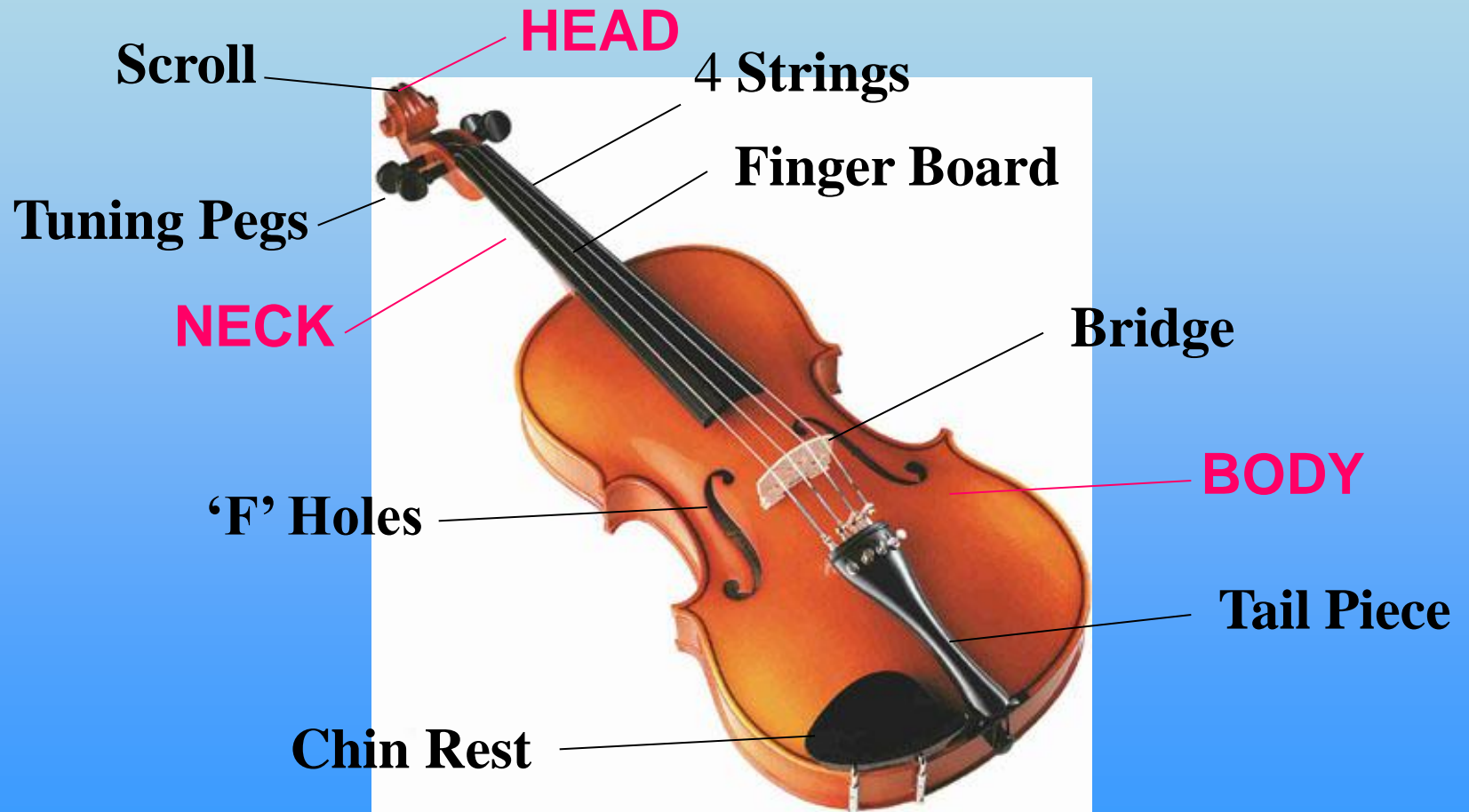
Double Bass



Harp



The Violin



String Family



String instruments can be played in lots of different ways!!

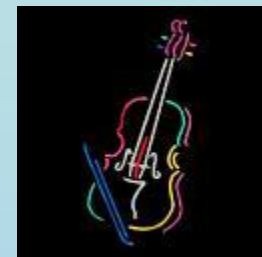
Arco ~ Played with the bow

Pizzicato ~ Plucked with the fingers

Col Legno ~ Played with the wood of the bow

Strumming ~ Using fingers or a plectrum to play notes

String Family

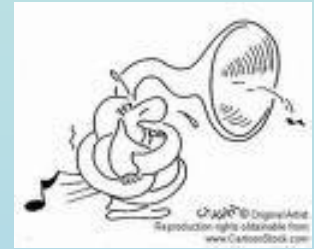


♪ The violin is the **smallest** of the string family. It plays the highest sound.

♪ The double bass is the biggest in the string family. It plays the **lowest** sound.

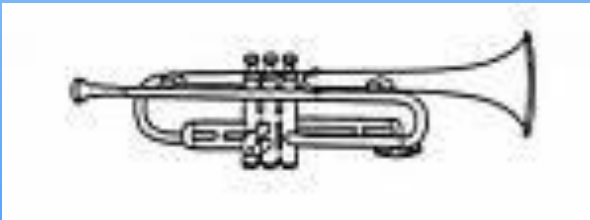
♪ Sound is produced from a string instrument by arco, pizzicato, col legno and strumming.

Brass Family



A family of instruments made from metal with a mouthpiece, e.g. trumpet and euphonium. The sound is made by vibrating the lips.

Trumpet



Trombone



Tuba



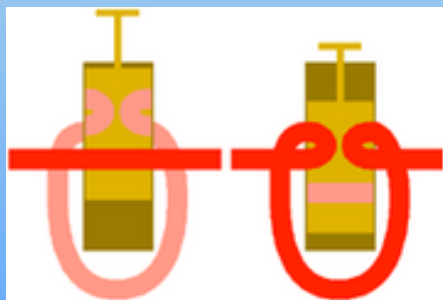
French Horn



Valve or Slide



There are two types of brass instrument; one with valves or one with a slide.



Valves are buttons the player presses to change note.

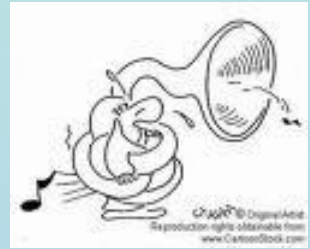


Slides also change note by changing the length.

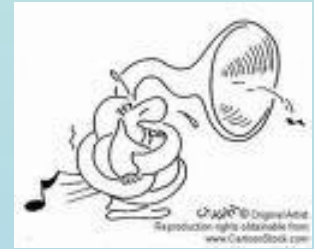
I am the only brass
instrument with a slide . . .

What am I?

Trombone



Brass Family



♪ The trumpet is the **smallest** of the brass family. It plays the highest sound.

♪ The tuba is the biggest in the brass family. It plays the **lowest** sound.

♪ Sound is produced from a brass instrument by blowing.

Woodwind Family

Instruments which produce sounds by blowing across a hole or through a single or double reed, e.g. flute, clarinet and bassoon. They need not be made of wood.

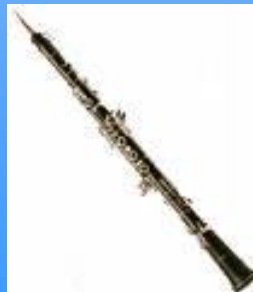
Piccolo



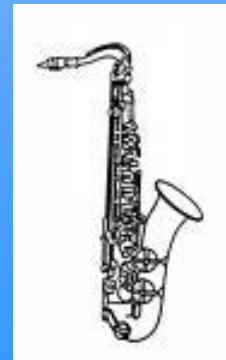
Flute



Oboe



Saxophone



Bassoon



Woodwind Family



♪ The piccolo is the **smallest** of the woodwind family. It plays the highest sound.

♪ The bassoon is the biggest in the woodwind family. It plays the **lowest** sound.

♪ Sound is produced from a woodwind instrument by blowing.

Percussion Family

Instruments which are hit, shaken or scraped. Pitched percussion can produce different notes, e.g. glockenspiel and xylophone. Unpitched percussion has no fixed pitch, e.g. cymbals and side drum.

Unpitched Percussion

Snare Drum



Triangle



Pitched Percussion

Timpani



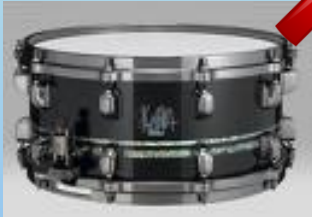
Kettle Drum

Xylophone



Can I play a tune?

Snare Drum



Drum Kit



Xylophone



Glockenspiel



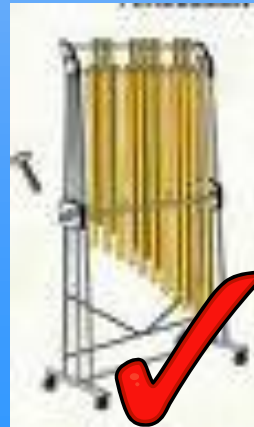
Triangle



Cymbals



Chimes



Timpani



The Piano



Where do I belong??

The Percussion Family!!!

Why the percussion family???

Inside the piano are small hammers which hit the strings to create sound because something is being hit this makes it a percussion instrument.

The Orchestra

SYMPHONY ORCHESTRA

