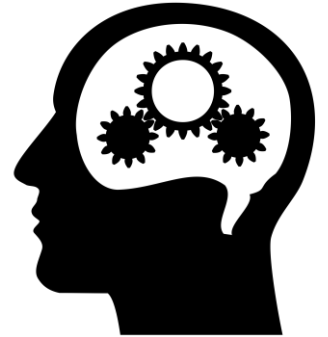


# SOUND AND HOW IT WORKS



**By Morgan Doyle and Ella Cowley**  
**5<sup>th</sup> Class**

# A TYPE OF ENERGY MADE BY VIBRATIONS

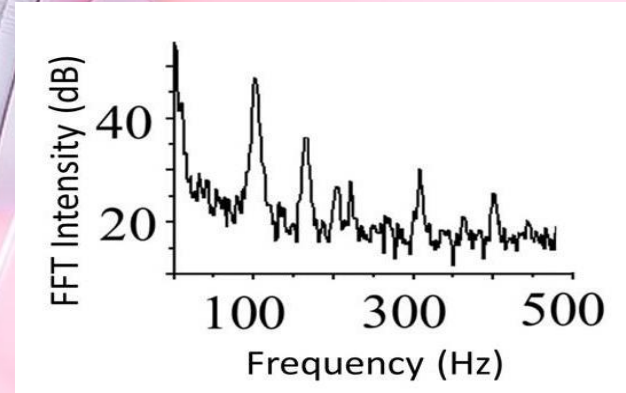
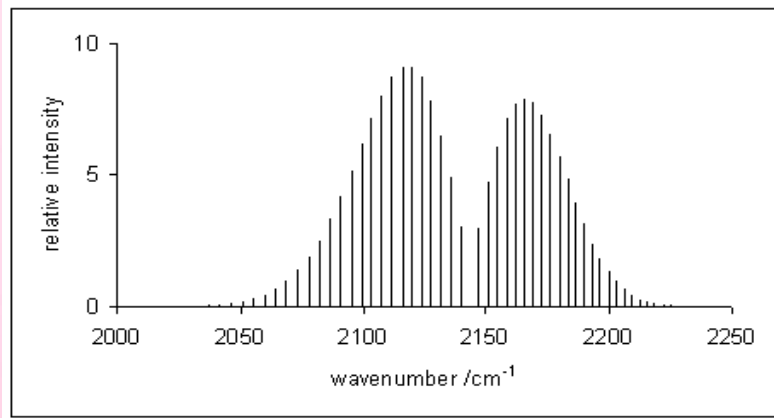
When an object vibrates it causes movement in the air particles .

This movement is called sound waves



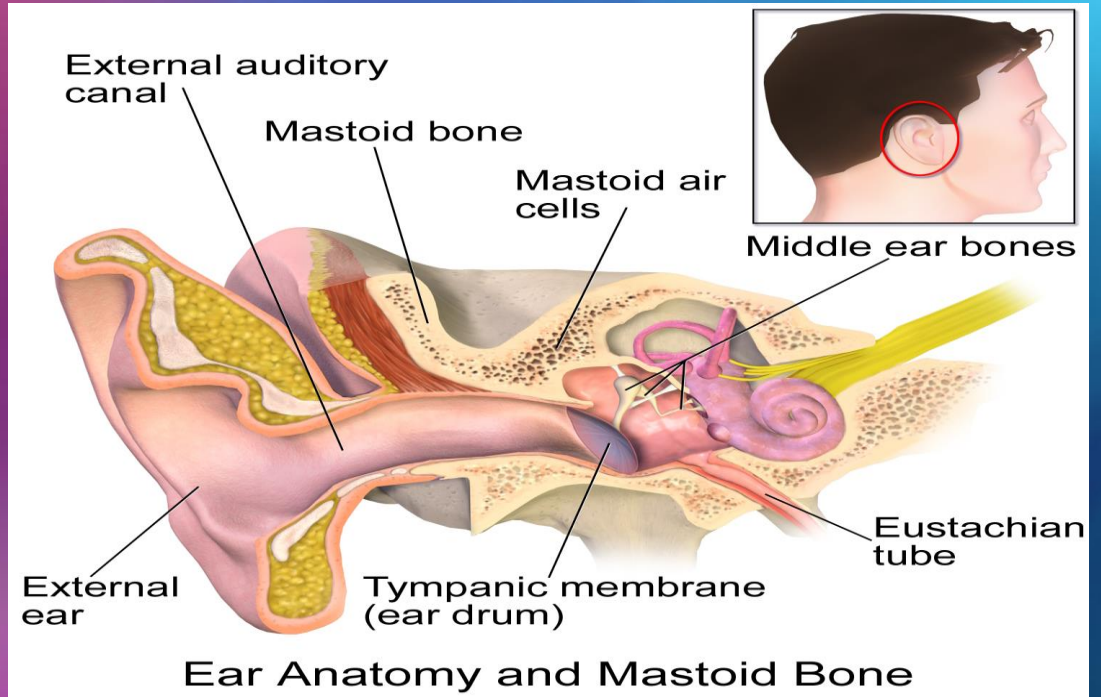
# VIBRATIONS

When vibrations are slow      when vibrations are  
fast



# OUR EARS AND HOW THEY WORK

Our ears are very precious we need to protect them



# THE TELEPHONE

Over the years our telephones have changed and are very different we call them phones



# TELEPHONE

You have seen the 1920s phone and the 2018s phones but the phone we are going to make is the string telephone.



# WHAT YOU NEED

1. String
2. Two plastic cups
3. Scissors
4. And a partner



# WHAT YOU DO

1. Get the two plastic cups and scissor's.
2. make a hole in the bottom of the cups with the scissors.
3. Put the string through the hole and tie a knot.
4. Walk back as far as the string will go.
5. And test it out.





# HOW DID IT WORK

The sound waves travel through the string and reach the end of the other side that's why if a phone call from Dublin and Cork was made the sound waves would travel through electric wires. Don't have your Headphones too loud or you could get ringing bells or another wor

# QUIZ TIME

1. When an object vibrates it causes movement in the air particles. This movement is called Sound .....
2. Your Nanny or Grandad may need .....aids.
3. There are little .... in your ears to help you hear.
4. The smallest bone is in your