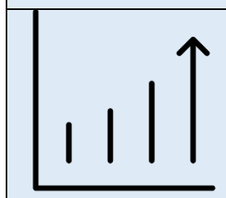
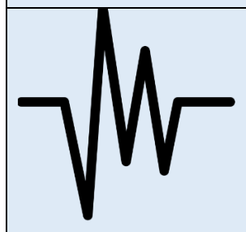
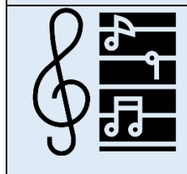
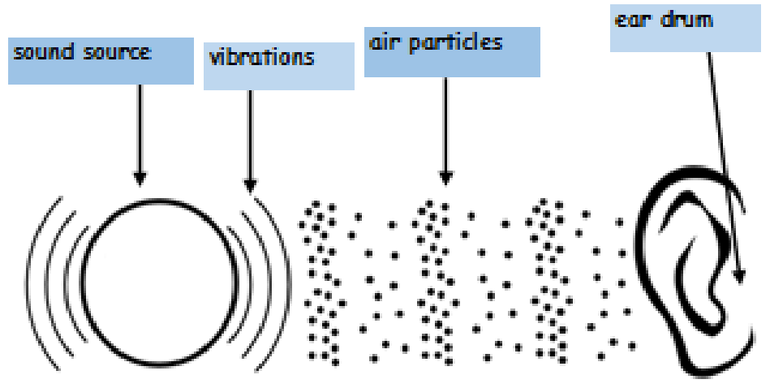
Sound, how is it made and how does it travel?

	**Sound**	**Something you hear when something vibrates and sends waves of energy into our ears.**
	**Vibration**	**Quickly moving back and forth.**
	**Sound wave**	**Vibrations travelling from a sound source.**
	**Amplitude**	**The size of a vibration. Louder sounds have a larger amplitude, quieter sounds have a smaller amplitude.**
	**Frequency**	**The number of times per second that a wave moves.**
	**Pitch**	**How high or low a sound is.**



Sound is a type of ENERGY. Sound is created by VIBRATIONS.

Volume

The volume (loudness) of a sound depends on the size of the vibrations.



If we blow an instrument harder, we make a louder sound.

The closer we are to the sound source the louder it will be.



A train arriving at a station sounds loud.

The further away from a sound the fainter it will be.



A train in the distance sounds quieter.

Insulating sound



We can wear ear defenders to protect our ears from very loud sounds.

How do we hear sound?

