Sound Knowledge Organiser

Science Year 3/4

Sounds can also be loud or quiet.

We call this the volume or loudness of the sound.

Loudness is the amount of energy in the sound. The energy creates different sized vibrations. If you hit a drum hard, you give it lots of energy and the vibrations will be bigger than if it was hit gently. Bigger vibrations cause louder sounds.

Loudness is measured in decibels (dB).

Key Vocabulary

noise - a sound - usually unwanted or unpleasant

pinnae - the outside flaps of the ear which help 'catch' the vibrations

pitch - how high or low a sound is

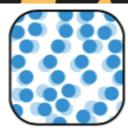
sound – vibrations that travel through the air and other mediums

and can be heard

vibration - very quick movements

volume - how loud or quiet a sound is







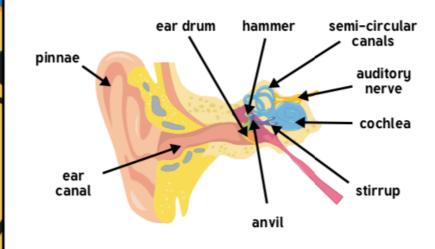
Solid

Liquid

Gas

The vibrations caused by the sound can travel through the air (gas) but can also travel through liquids and solids.

The Ear



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