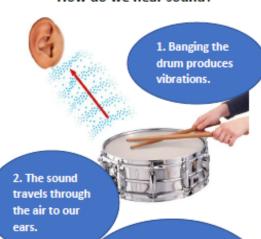
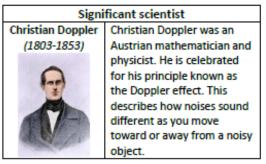
Key vocabulary	
sound	Something you can hear or that can
	be heard. We hear sound with our
	ears.
sound	A source is producing sound when
source	some part of it is vibrating.
vibrations	Sounds are made when something
	vibrates. This means it moves
	quickly backwards and forwards.
pitch	How high or low a sound is.
volume	How loud or quiet a sound is.
sound	A material which blocks sound
insulation	effectively.

#### How do we hear sound?



3. The vibrations cause parts of our body inside our ear to vibrate. This allows us to hear the sound.

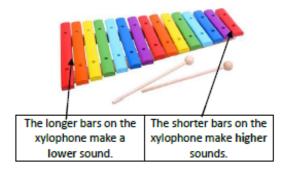
# Sound - Year 4



As well as travelling through air (gas), sound can travel through solids and liquids:



## Pitch



### 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.



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