

How are sounds detected?

Guided reading

Sound is a type of energy made by vibrations.



When an object, such as a guitar's string, vibrates it causes the air particles around it to vibrate too.

We refer to sound as travelling in sound waves. This is because the vibration of an object causes air particles to vibrate, which causes the particles next to them to vibrate and so on.



Sound waves can travel through solids, liquids and gases.

Sound is detected when the vibrations enter your ear and send messages to your brain.



Questions

1. What is sound?

2. How does sound travel?

3. When is sound detected?

