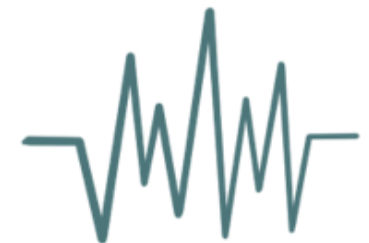




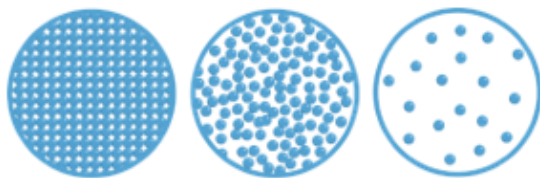
<p><b>Working Scientifically Skills</b></p>	<p>asking relevant questions and using different types of <b>scientific enquiries</b> to answer them;</p>	<p>setting up <b>simple practical enquiries, comparative and fair tests</b>;</p>	<p>making <b>systematic and careful observations</b> and, where appropriate, taking accurate <b>measurements</b> using <b>standard units</b>, using a range of <b>equipment</b>, including <b>thermometers</b> and <b>data loggers</b>;</p>	<p><b>gathering, recording, classifying and presenting data</b> in a variety of ways to help in answering questions;</p>	<p><b>recording findings</b> using simple <b>scientific language, drawings, labelled diagrams, keys, bar charts, and tables</b>;</p>	<p><b>reporting</b> on findings from enquiries, including <b>oral explanations, displays or presentations</b> of results and conclusions;</p>	<p>using results to <b>draw simple conclusions, make predictions</b> for new values, <b>suggest improvements</b> and raise further <b>questions</b>;</p>	<p>identifying <b>differences, similarities or changes</b> related to simple scientific ideas and processes;</p>	<p>using straightforward <b>scientific evidence</b> to answer questions or to support their findings.</p>
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Sounds are made when objects vibrate. The **vibration** makes the air around vibrate, and the air vibrations enter your **ear**. You hear the **vibrations** as **sounds**. You cannot always see the vibrations, but if something is making a **sound**, a part of it is vibrating. The **vibrations** travel in all directions and they don't travel in **straight lines**.



Sounds can be **high** or **low**. We call this the pitch. The pitch of a sound is how high or low the **sound** is. A high sound has a high pitch and a low sound has a low pitch. The pitch of a sound is due to how many times the object **vibrates** each second. The higher the number of vibrations the higher the **pitch**.

We can change the **pitch** of the **sound** we make on different **instruments**.



solid

liquid

gas

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

## Key Vocabulary

**ear** – the organ used to hear

**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

