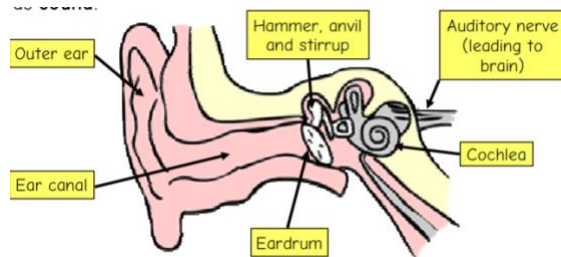


SOUND



<https://www.theschoolrun.com/what-is-sound>
<https://www.bbc.co.uk/bitesize/topics/zgffr82>

An object starts to **vibrate**, or move very quickly back and forth. This is called a **sound source**. An example of a sound source is a plucked guitar string.



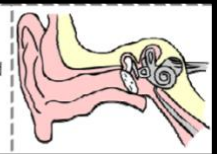
The vibrating air particles bump into other air particles further away, causing them to vibrate too. This is called a **sound wave**. It gradually moves away from the **source**.



The sound wave reaches the **ear**. The wave travels deep inside the ear, where it is turned into an **electrical signal** that the brain understands as **sound**.



The vibrating object causes the **particles** in the **air** around it to vibrate too, because it is touching them.



Treasure Island is a tale of pirates and villains, maps, treasure and shipwreck, and is perhaps the best adventure story ever written.

When young **Jim Hawkins** finds a packet in Captain Flint's sea chest, he could not know that the map inside it would lead him to unimaginable treasure. Shipping as cabin boy on the **Hispaniola**, he sails with **Squire Trelawney**, **Captain Smollett**, **Dr Livesey**, the sinister **Long John Silver** and a frightening crew to Treasure Island. There, mutiny and mayhem lead to a thrilling climax.

Author – Robert Louis Stevenson
Published - 1883

ELECTRICITY

circuit	A complete route which an electric current can flow around.
current	A flow of electricity through a wire.
physics	The study of forces including electricity and the way it affects objects.
battery	A small device that provides power for electrical items.
cell	A device used to generate electricity. A battery is an example of a cell.
conductor	Any material that electricity can pass through or along.
insulator	Any material that electricity cannot pass through or along.
buzzer	An electrical device that makes a buzzing sound.
motor	A device that changes electrical energy into movement.
wire	A long thin piece of metal that carries an electrical current often covered in plastic for safety.
voltage	An electrical force that makes electricity move through a wire, measured in volts (V).
socket	A device on a wall that you can plug electrical equipment into.

Electrical Conductors

Copper
 Iron
 Steel
 Silver
 Gold

Electrical Insulators

Rubber
 Wood
 Plastic
 Paper