

Key Knowledge

Sound is a type of energy. Sounds are created by **vibrations**.
The **louder** the sound, the bigger the **vibration**.

Sound can travel through solids, liquids and gases.
Sound travels as a **wave**, **vibrating** the particles in the medium it is travelling in.

Volume

The **volume** of a sound is how loud of quiet it is. Loud sounds are made by bigger **vibrations**.

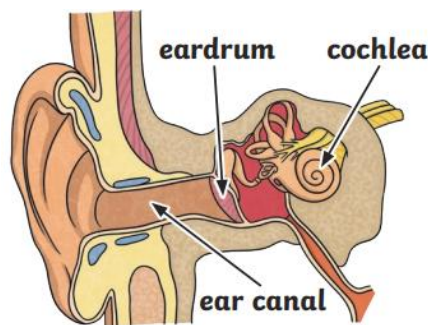
Amplitude is a measure of how big a **vibration** is.



A louder sound has a larger **amplitude**.

A quieter sound has a smaller **amplitude**.

The Ear



Sound Over Distance

The closer a sound source is, the louder it will be.
This is because the sound loses energy over a distance.

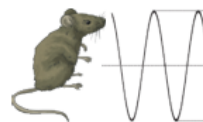
Key Vocabulary

vibration	A rapid back-and-forth movement that produces sound. All sound is created by vibrations .
sound wave	Vibrations travelling from a sound source.
volume	The loudness of a sound.
pitch	How low or high a sound is.
amplitude	The size of a vibration . A larger amplitude = a louder sound.

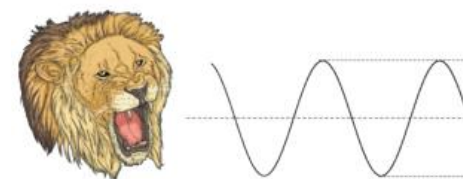
Pitch

Pitch is a measure of how high or low a sound is.

A squeak from a mouse is a **high-pitched** sound and this means it **vibrates** quickly.



The sound of a lion's roar has a **lower-pitch** and **vibrates** slowly.





Year 4/5 Geography - THE WORLD IN OUR HANDS

What are rivers and how are they formed?

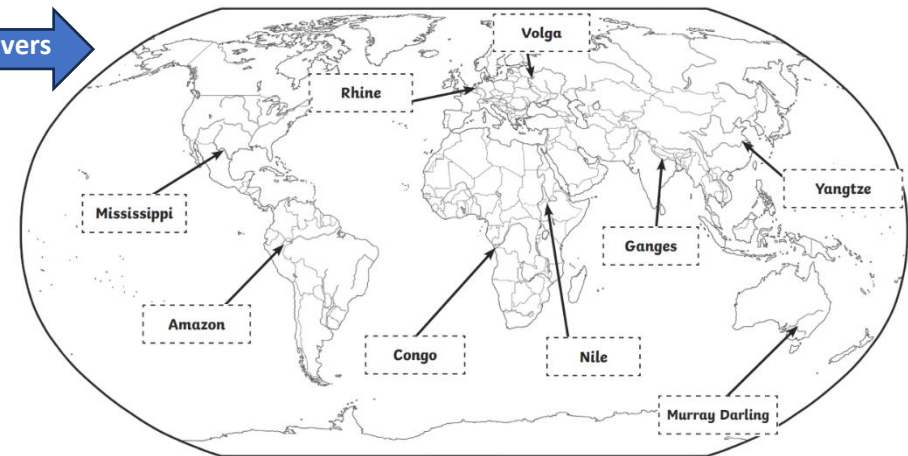


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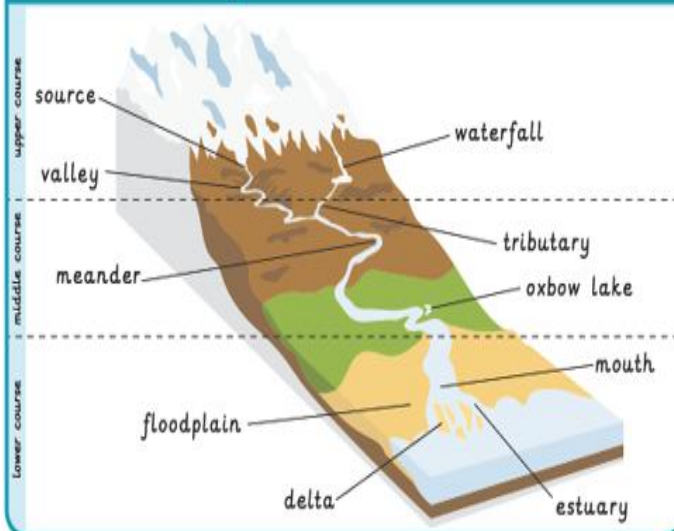
Key Vocabulary

delta	A wide area near where a river meets the sea which features a build-up of a sand and sediment.
estuary	The area where fresh water from a river meets salt water from the sea.
floodplain	Areas of flat land on either side of a river that can become flooded if the river gets too full.
meander	A bend or curve in a river.
oxbow lake	A bend in river that has been separated from the main river.
river mouth	The place where a river flows into the sea.
source	The place where a river starts.
tributary	A stream that flows into a larger stream or river.
valley	An area of low land between two hills or mountains, usually with a river running through it.

World Rivers



River courses and features



Longest river in the UK:

The River Severn.



Longest river in the world:

The River Nile, Africa.



How are rivers used?

- Rivers are important habitats for plants and animals.
- They provide a supply of food and drink for humans and animals.
- Rivers can help crops grow by dispersing nutrients and making soil more fertile.
- Rivers contain valuable minerals such as gold and diamonds which people can find and sell.
- They offer transport routes for people and goods.
- Rivers can be used for leisure activities such as boating, swimming, fishing and many other fun activities.
- Many settlements and communities are built along rivers.
- Some people live on rivers in houseboats.
- Water from rivers can be used for irrigation on farmland.
- Renewable energy, called hydroelectric power, can be generated by moving water.



CHRISTIANITY - When Jesus left what was the impact of Pentecost?

Our Learning

- We will be making clear links between the story of the Day of Pentecost and the Christian belief about the Kingdom of God on Earth.
- We will explore what Pentecost means to some Christians now.
- We will learn about how the Day of Pentecost influences how Christians live their lives today.
- We will explore what people believe about following God in the world today and reflect on what we believe too.



Bible
Links:

Acts 2: 1-15,



Key Knowledge

- Christians believe that Jesus' whole life demonstrated that he believed that God is King, not just in heaven but here and now ('Your kingdom come, your will be done on earth as it is in heaven').
- Christians believe Jesus is still alive, and rules in their hearts and lives by the Holy Spirit, if they let him.
- Christians believe that after Jesus returned to be with God the Father, he sent the Holy Spirit at Pentecost to help the Church to make Jesus' invisible Kingdom visible by living lives that reflect the love of God.
- Christians celebrate Pentecost as the beginning of the Church.

KEY VOCABULARY	MEANING
Christian	A person who believes in Christ and his teachings
Jesus	God's son, who Christians believe came and lived on earth
God	The creator and ruler of the universe and source of all moral authority; the supreme being
Holy Spirit	The third person of the Trinity - this is God active in the world
Resurrection	The time when Jesus rose from the dead
Disciples	These are 12 friends of Jesus who helped him spread the word of God.
Bible	The Christian Holy Book which consists of the old and new testaments
Pentecost	A Christian festival that marks the coming of the Holy Spirit