









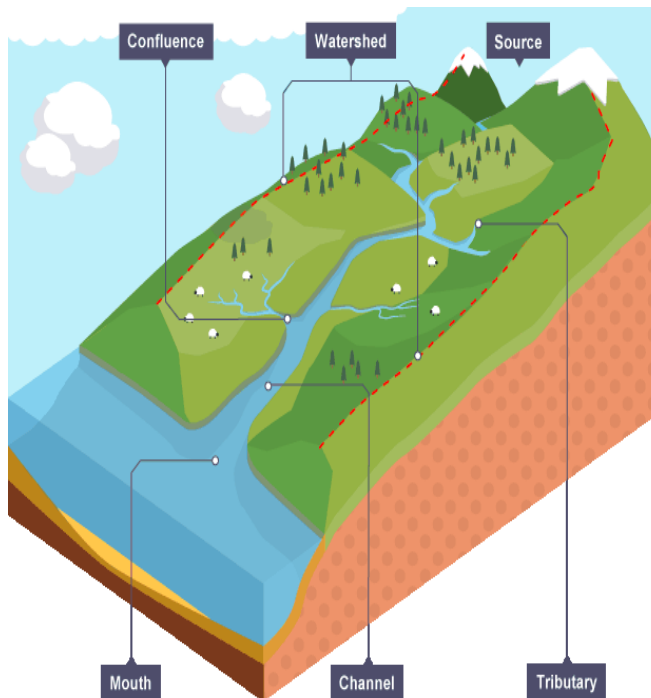


River Journey	
<p>Source</p> 	<p>The start of a river is its source. It is where it begins its journey. This could be a spring on a hillside, a mountain, a lake, or a bog or marsh. A river may have more than one source.</p>
<p>Waterfall</p> 	<p>An area where water flows over a vertical drop or a series of steep drops in the course of a river. Soft rock is eroded by water which leaves a hard rock ledge from which the water falls.</p>
<p>Meanders</p> 	<p>A curve in a river which forms a snake-like pattern. The river erodes sediment on the outside of the curves and drops it on the inside of curves due to water moving fastest on the outside of a turn.</p>
<p>Mouth</p> 	<p>The end of a river where it flows into the sea, another river or a lake is known as the mouth of the river. Much of the river's gravel, sand, silt and clay are deposited here.</p>
<p>Delta</p> 	<p>A wide muddy or sandy area where some rivers meet the sea at a very slow speed, or often in still/stagnant water. The river slows and drops all the sediment that it was carrying, creating a wide, marshy area.</p>

World's Longest Rivers	
	<b>Nile</b> – 6695km (Africa)
	<b>Amazon</b> – 6516km (South America)
	<b>Yangtze</b> – 6380km (Asia)
	<b>Mississippi/Missouri</b> – 5969km (North America.)
	<b>Murray/Darling</b> – 3672km (Australia)

# Rivers

A river is the path that water takes as it flows along a channel downhill with banks on both sides and a bed at the bottom. If there is lots of rain, snow or melting ice, rivers often overflow beyond the top of their banks and begin to flow onto floodplains at either side.



## Key Vocabulary

channel	a path of a narrow body of water where water flows
estuary	mouth of a large river, where the tide meets the stream
gorge	narrow valley with steep, rocky walls through hills/mountains
River Severn	Longest river in the U.K. (354km) through the city of Bristol
River Thames	346km long river running through the city of London
canal	man-made water channels for flow, vehicles and irrigation
basin	land drained by a river and its tributaries
floodplain	flat area around a river that often gets flooded
irrigation	supply of water to land or crops to help growth
bank	the land at the side of the river
weir	low dam built across a river to raise the level of water
bridge	structure built to allow people to cross a river
pumping station	facilities including pumps / equipment for pumping water from one place to another, supplying water to canals, removing sewage to processing sites and to drain land
tributary	smaller river which joins onto the main channel of a river



### Erosion and Deposition

Erosion is when materials, like soil or rocks, are moved by water. All these materials are called sediments. Deposition is when those sediments are deposited, or dropped off, in a different place. When rivers are flowing fast, they knock bits of earth from the banks and bed of the river (its sides and bottom) and carry it downstream with them.

### River Management

#### Drinking water



Rivers, lakes or reservoirs may sometimes look clean, but they are often filled with bacteria which can make you sick. It is therefore treated to make sure it meets safe drinking standards before being pumped to homes.

#### Water sampling



Water sampling is the process of taking a water for testing. It is also used to test the health of the river and to find out if pollution, such as chemical from farming, are present.

#### Dams



A dam is a barrier that stops or restricts the flow of water or underground streams. Reservoirs created by dams not only prevent floods but also provide water for activities such as irrigation, drinking water and industrial use.

### Important facts

-Water always flows downhill.

This is important for understanding how rivers form, and how they contribute to the water cycle.

-Rivers are fresh water – oceans are salt water.

-When rivers are flowing quickly, they take bits of earth off banks downstream. This is called erosion.

-When there has been too much rainfall, rivers may overflow or 'burst their banks.' This can cause significant flooding.

-Most of the water that we drink is taken from rivers. It is cleaned before it is suitable to drink.

-Silt is material carried by running water, for example earth or minerals.

-Sometimes, rivers carry so much silt that they form new land,

### Notable Rivers of the world

#### Nile



-The Nile is generally considered the longest river in the world. It runs through north-eastern Africa. It contains a vast array of wildlife, e.g Nile crocodiles and hippos.

#### Amazon



-Through some tributaries, the Amazon is the longest river in the world. The river holds more water than any other river – it is responsible for one fifth of all of the freshwater that reaches the world's oceans! The river supports the vast Amazon Rainforest.

#### Yangtze



-The Yangtze River is the longest river in Asia. It is fed by glaciers in the Tanggula mountain range of China. The river runs through China and empties into the East China Sea. The Three Gorges Dam is sited on the river.

#### Thames



-The Thames is one of the longest rivers in the UK but is short (346km) compared to the world's largest rivers. It flows through London and has an estuary which feeds into the North Sea. It has frozen in winter in the past.

#### Mississippi



-The Mississippi River is one of the most famous rivers in North America and runs through several major cities. The Mississippi joins with the Missouri River to form the largest river system in North America.