

Mountains

They are a natural part of the landscape with steep slopes and rises at least 300m or more above its surrounding area.

Some mountains are found in groups called a **mountain range**.

Not all mountains are single summits.

The highest in the world is Mount Everest which is 8848m high.

River Deep, Mountain High

Meanders, mouths or mountains, where would you rather live?

Vocabulary	Definition
Altitude	The height above sea level
Climate	The long term pattern of weather in a particular area
Contour lines	Lines on a map that join land that is at the same height
Face	The side of a mountain
Foot/base	The bottom of a mountain where it meets flat ground
Mountain	A natural part of the landscape with steep slopes and rises of at least 300m
Mountain Range	A group or chain of mountains located close together
Peak/summit	The highest point of a mountain
Plateau	An area of flat, high ground
Valley	The area of low land between mountains
Tourism	An industry that drives people to travel for recreation and leisure

Why visit a mountain?

The view
The challenge
Skiing/snow sports
Climbing
Keeping fit
Photography

What are the risks of life on a mountain?

Low temperature = hypothermia
Bad weather = power cuts/road accidents
Avalanches
Land slides
Altitude sickness
Wild animals
Poor access

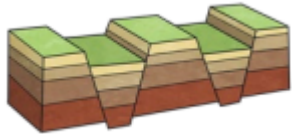
Where are the highest mountains?



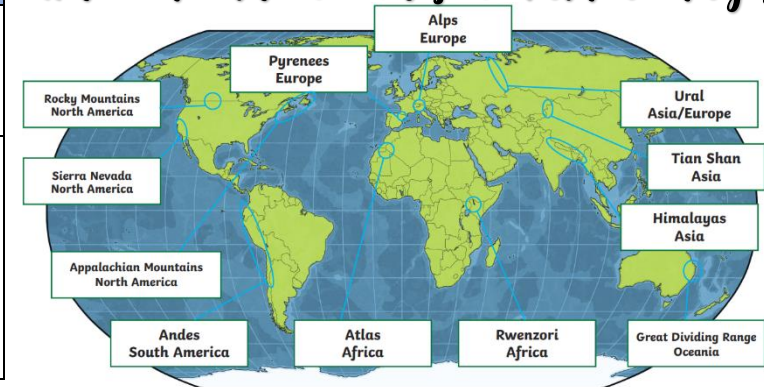
Which are the UK's highest mountains?

Country	Mountain	Height
England	Scafell Pike	978m
Scotland	Ben Nevis	1345m
Wales	Snowdon	1085m
N. Ireland	Slieve Donard	850m

How are mountains made?

Fold mountain	Fault block mountain	Dome mountain	Plateau mountain
Tectonic plates collide and rock is pushed up	Cracks in the earth's surface open up, some chunks of rock are pushed up, some down.	Formed when magma is forced upwards but doesn't ever flow out of the crust.	Materials taken away through erosion leave deep valleys or gorges next to high cliffs.
			

Where are the world's mountain ranges?



River Deep, Mountain High

Meanders, mouths or mountains, where would you rather live?

Vocabulary	Definition
Deposit	When eroded rocks and other materials are dropped off further along the river
Erosion	The forces of the water wearing away the bed and bank of the river
Mouth	The point where the river joins the sea
Source	The place where a river begins – this can be a natural spring, a lake, a marsh or a glacier.
Tributaries	Rivers that join up with another river

Why are rivers important to people?

As a water source
Industry
Transport – development of canals
Leisure and tourism
Agriculture
Important habitat for animals, plants and aquatic creatures

Where are the longest rivers?

East Midlands	River Trent 297km
UK	River Severn 354km
Europe	River Volga 3530km
World	River Nile 6695km

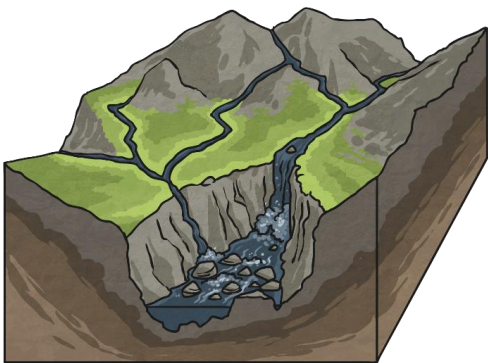
Why are rivers dangerous?

Flooding
Strong currents
Dangerous sandbanks
Silt and mud can build up to change the river levels
Pollution can make water dangerous for animals and humans

What is the course of a river?

The Upper Course

Rain falling on high ground collects in channels and flows downwards forming a stream. Streams run downhill and join other streams, increasing in size and speed, forming a river. The river here flows quickly and the channel has steep sides and runs through valleys. Features include - waterfalls and rapids.



The Middle Course

Fast flowing water causes erosion making the river deeper and wider. Features include – meanders.



The Lower Course

Rivers flow with less force due to being on flat land. The river deposits the eroded material that it has carried. Riverbanks have shallower sides. Features include - floodplains, deltas and estuaries.

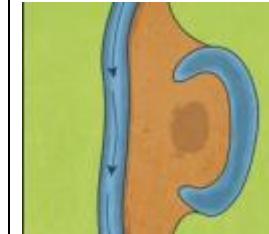


Meander – a curve in the river



Eroded materials are carried by the river and released, building up the land on the inside of the bend where the water flows more slowly.

Oxbow lake – a u shaped lake



As meanders grow, two meanders can merge together through erosion. The water takes this newer, shorter course. The river deposits eroded materials which block off the old part of the river forming an oxbow lake.

