



A mountain is a landform normally with steep sides that stands above the surrounding area. There is no one definition, but often considered land over 900 m high (3000 feet). Mountains are visited for leisure & sports but hard places to farm & inhabit. Hazards include poor access, bad weather, altitude sickness, frostbite and hypothermia.

Key Vocabulary

altitude	Height above sea level
core	inner core = solid centre of Earth outer core = liquid metal, mostly iron
crust	Outermost layer of Earth's surface
erode	Worn away by weather or water
face	Steep vertical side of mountain
incline	Slope
magma	Liquid rock forming the Earth's mantle
mantle	Layer of the Earth between the crust & core
outcrop	Group of rocks
plateau	Raised land with a flat top
range	Chain of mountains or hills
ridge	Long narrow piece of raised land
summit	Highest point of a mountain
tectonic plates	Earth's outer layer made up of moving plates
valley	Lower land between hills or mountains

Main ranges of the world

Asia	Himalayas	Everest 8848 m	North America	Rocky Mountains Sierra Nevada	
Africa	Atlas		South America	Andes	
Europe	Alps		Oceania	Great Dividing Range	
			Antarctica	Antarctic Range	

Fold mountains

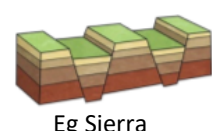
Tectonic plates collide and rock is pushed up.



Eg Himalayas
Andes, Rockies, Alps

Fault-block mountains

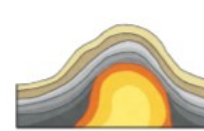
Cracks in the earth's surface open up, some chunks of rock are pushed up, some down.



Eg Sierra Nevada

Dome mountains

Formed when **magma** is forced upwards but doesn't ever flow out of the **crust**.

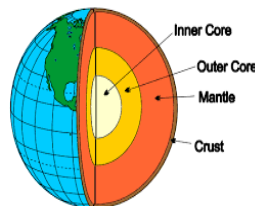


Eg Black Mountains USA-



Mount Rushmore

Earth's layers



The summit of Mount Everest was first reached by Edmund Hillary & Sherpa Tenzing Norgay in 1953. The highest peak in the world, it is one of 30 in the Himalayas.

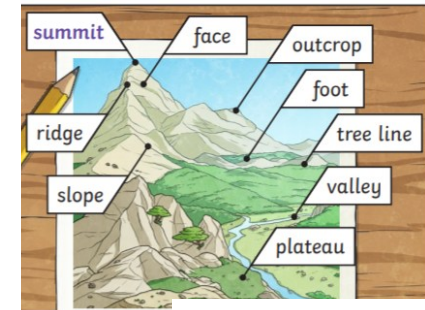


Peaks of the UK



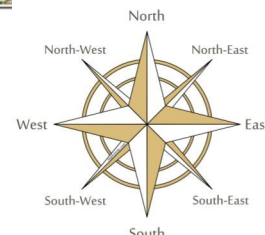
Ben Nevis	Scotland
Snowdon 1085m	Wales
Scafell Pike	England

Features of a Mountain



Mapping a Mountain

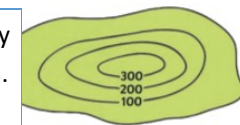
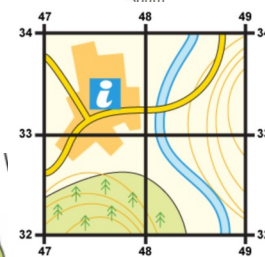
8 points of a compass



4 figure grid references

The information centre is at

4733



Contour lines show height on a map. The closer the lines, the higher the land.