



KNOWLEDGE ORGANISER

ESSENTIAL MOUNTAINS VOCABULARY

mountain	A large natural mount in the earth's surface. A large, steep hill.
summit	The highest point of a mountain
plateau	A flat part of land high up the mountain
face	The visible side of the mountain
base	The bottom of the mountain
biome	Large areas of the world with a similar climate and landscape, where similar animals and plants live.
climate	Average weather of a place over a long period of time.
crust	The outer layer of the earth.
altitude	The height of an object in relation to sea level or ground level.
lava	The hot, liquid rock that flows from a volcano.
hypothermia	A condition where the body becomes too cold and can't warm itself back up again.
expedition	A journey undertaken by a group of people with a particular purpose.
avalanche	A mass of snow, ice and rocks falling rapidly down a mountain.
tectonic plate	A large, irregular shape slab of rock forming the surface of the Earth.
magma	Extremely hot liquid and semi-liquid rock below the Earth's crust.

The Highest Mountains in the UK

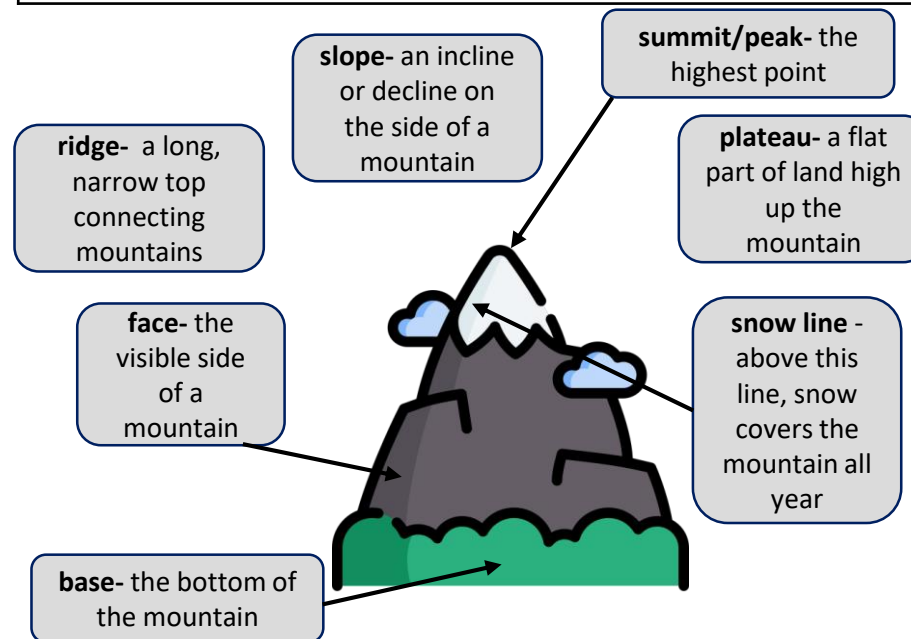
- Ben Nevis (Scotland)- 1,345 metres.
- Cairn Eige (Scotland)- 1,183 metres.
- Snowdon (Wales)- 1,085 metres.
- Carrauntoohil (Ireland)- 1,039 metres.
- Sgurr Alasdair (Scotland)- 992 metres.

Mountain Ranges

A mountain range is a chain of mountains that are close together. The Himalayas are the highest mountain range in the world.

The Highest Mountains in the World

1) Mt Everest (Asia) - 8,848 metres. 2) Mt Aconcagua (South America) - 6,962 metres. 3) Mt McKinley (North America) - 6,140 metres. 4) Mt Kilimanjaro (Africa) - 5,895 metres. 5) Mt Blanc (Europe) - 4,807 metres.



Different Ways that Mountains are Formed

Plateau mountains	These are formed by the erosion of materials that leaves deep valleys beside high cliffs.
Volcanic mountains	These are formed around volcanoes. They are made from layers of cooled lava and ash.
Fold mountains	These are formed when tectonic plates collide and force slabs of rock upwards.
Fault-block mountains	These are formed when chunks of rock are pushed up or down through cracks in the earth's surface.
Dome mountains	These are formed when magma is forced upwards, without ever flowing out of the crust.

Explorers

- Sir Edmund Hilary and Sherpa Tenzing - reached the summit of Everest on May 29, 1953, becoming the first people to reach the top of the world's highest mountain.
- Sir Ernest Shackleton - Irish explorer, who made three expeditions to the Antarctic, most famously in 1914 on the Endurance.

Climate

- Average weather conditions in a certain place over a long period of time

Polar	Tropical
Temperate	Mediterranean
Arid	Mountain

MAKING LINKS TO PREVIOUS LEARNING GOLDEN VOCABULARY

Explorer	Explorers take part in expeditions .
Volcanoes	When a volcano erupts, a debris avalanche rushes down its side.
Volcanoes	Both are formed by movement in tectonic plates .
Volcanoes	Volcanoes contain magma .

Biomes

- Large regions with similar physical environments and ecosystems.

Tundra
Taiga
Grasslands
Temperate Forest
Savanna
Deciduous Forest
Rainforest
Chaparral/Mediterranean
Alpine
Desert
Ice Sheet/Polar
Desert-Scrub