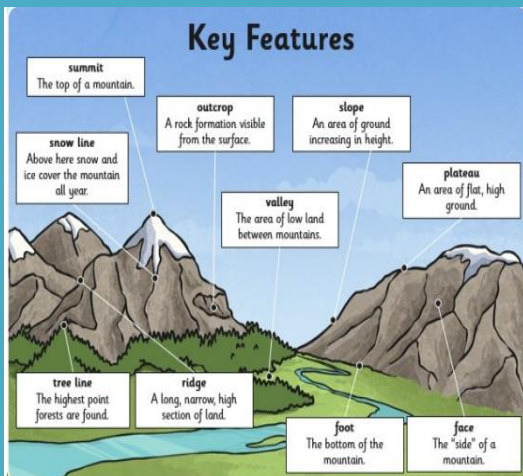


Sycamore Class (Year 6)

Geography Knowledge Organiser Mountains

Key Features



Vocabulary

- **Mountains**-something that's part of the land, but that rises above everything else
- **Volcanic**-these are formed around volcanoes, which are vents in the Earth's top layer that let through magma from between the crust and the mantle layers. Mountains are made of ash and cooled lava.
- **Plateau** These are different from the other mountain types because they haven't formed because of rock or magma being pushed up. Instead, they've formed because of materials being taken away through erosion, which has left deep valleys or gorges next to high cliffs.
- **Fold**-the most common type of mountain. It's called 'fold' because when the tectonic plates collide, the edges crumple as they are pushed together and the rock of the Earth's surface is pushed up to create mountains. The Himalayas are fold mountains.
- **Tectonic plates**-large pieces of rock that make up the Earth's surface
- **Mantle**-a layer within the Earth between the crust and the core.
- **Altitude**-a measurement of distance going up.
- **Summit**-the highest point of a mountain

Quizzes to help learn the mountains of the world

https://world-geography-games.com/en/world_mountains.html

<https://www.purposegames.com/game/112>



Key Facts

Most mountains are formed when things happen inside the Earth to push rocks up – the longer this happens, the higher the rocks are pushed, and the higher the mountains can be. While some mountains are getting taller, you can't see them grow. It takes a very, very long time for mountains to form.

The top of a mountain is called the summit.

It means two different things to say how high a mountain is and how tall it is – measure from sea level to summit to find out how high a mountain is, and measure base to summit to find out how tall it is.

Some very tall mountains aren't very high because a lot of the base is under the ocean. Some mountains are even completely underwater!

The highest mountain in the world is Mount Everest in Nepal – it's 8,850 metres high!

The tallest mountain in the world is Mauna Kea in Hawaii, USA – its base is below sea level, and when you measure from base to summit it's over 10,000 meters tall.

The highest mountain in the UK is Ben Nevis in Scotland – it's 1,344 metres high.

There are five different types of mountains – fold, fault-block, dome, volcanic and plateau.

Living on mountains is difficult because air gets thinner and colder the higher you go up. Different species of plants and animals can be found at different heights because they've had to adapt to the special conditions.