

# Misty Mountain Sierra



I can research a famous mountain and locate countries of Europe, North and South America

I can describe the 5 different types of mountain and explain how mountains are formed.

I can describe how the climate changes from the base of a mountain to the summit.

I know how plants and animals living at high altitudes have special adaptations to survive.

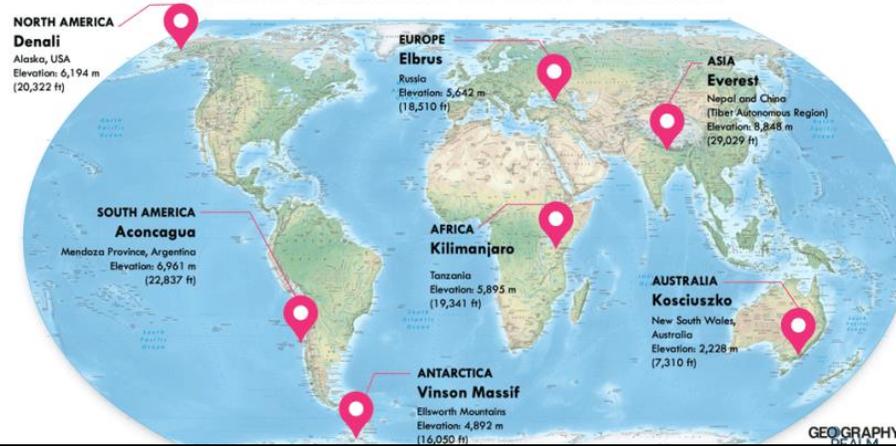
I can describe what it's like to live in the mountains and explain how the lifestyle of the Adi tribe in the Himalayas is both similar and different to my own.

I can describe the different stages of the water cycle.

- Key Vocabulary**
- Adaptation
  - Altitude
  - Climate
  - Collection
  - Condensation
  - Crust
  - Erosion
  - Evaporation
  - Lowland areas
  - Magma
  - Mountain
  - Mountain Range
  - Summit
  - Tectonic plate
  - Precipitation
  - Upland area

## What is a mountain?

Mountains are areas of land that are much higher than the land surrounding them. They are higher and usually steeper than a hill and are generally over 600 metres high. They are often found together in a group called a **mountain range**.



## Animals and plants of the mountains

Many animals and plants have **adapted** to



## Living in the mountains

High in the mountains of India there lives a tribe of people called the Adi tribe. They grow all their own food, many never leave their village. Children still go to Adi school and they love to sing and dance!

## Types of Mountains

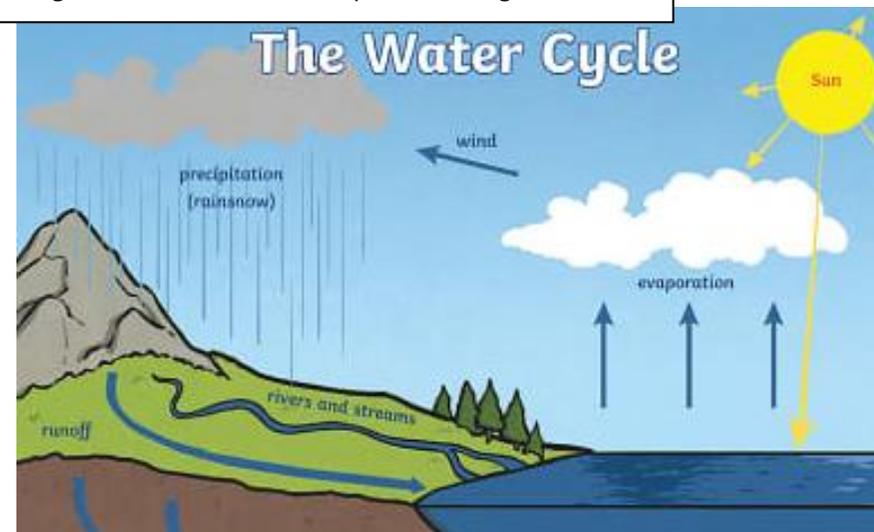
**Fold Mountains:** When two **tectonic plates** collide land is pushed upwards and folded.

**Block Mountains:** Some **tectonic plates** have cracks, when these cracks can move upwards.

**Volcanoes:** When volcanoes erupt the lava cools it forms solid rock.

**Dome Mountains:** When magma below the crust push upwards.

**Plateau Mountains:** When large flat areas are **eroded** by water.



## Mountain Climate

Mountains have their own climate.

The higher up the colder and windier the **climate** becomes. The air becomes thinner meaning there is less oxygen and it is harder to breathe.

Mountains have a lot more **precipitation** and snow than lower ground.