



### Let's Remember

An earthquake is caused by the movement of parts of the Earth's crust, its outermost layer. They happen millions of times a year, but most are so small people don't even feel them.

A climate zone is an area that has its own distinct

climate. They also have their own type of vegetation and wildlife. Some of these zones found around the world include: Temperate (mild temperatures and moderate rainfall) and Tropical (warm temperatures and lots of rain).

Different climate zones have different weather.



### I Need to Know that...

Most of the Alps have a mountain climate. It is much colder than the surrounding climate due to the height of the mountains. Lower regions of the Alps have a temperate climate.

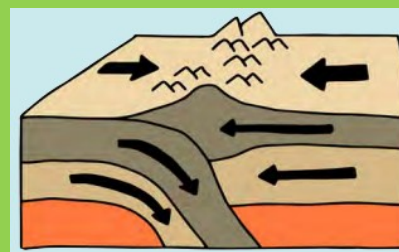
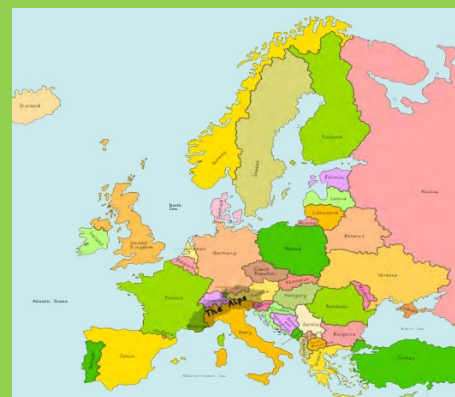
Mont Blanc is the highest mountain in the Alps.

Popular activities in the Alps include skiing, hiking and sightseeing.

Alpine mountains are fold mountains. They were formed when two tectonic plates pushed together and the ground was forced upwards.

Mountains are found mainly at plate boundaries.

Some famous mountain ranges are the Andes in South America; the Himalayas in Asia; the Rockies in North America; the Alps in Europe.



### Glossary

**coniferous trees:** ever green trees.

**deciduous trees:** trees which shed their leaves in the winter.

**fold mountain:** mountains which are formed when plates come together and push up.

**glacier:** a slowly moving mass or river of ice.

**latitude:** distance of a place north or south of the earth's equator.

**longitude:** distance of a place east or west of the Greenwich meridian.

**OS map:** a type of map produced by the national mapping agency of Great Britain, the Ordnance Survey.

**physical feature:** for example seas, mountain rivers.

**recreational land:** land used to play.

**temperate forest:** forests where it is not particularly hot or cold.

## Let's Explore

There are different types of mountains based on how they are formed. Create your own models to show each of the type of mountains.

Fold mountains — plates come together and push up

Fault-block mountains — plates come together, crack along weaknesses and sink

Volcanic mountains — plates move apart, lava erupts and hardens.



### Canada's Rockies Fun Facts



The oldest and most popular Rocky Mountain national park is Banff.

There is a large population of animals that live in the Rockies. You can run into grizzly bears, deer, elk, cougars, and many more!

The Rockies are about 85 million years old.

The highest peak of the mountains is Mount Elbert in Colorado, at 14 440 feet above sea level. The highest peak of the Rockies in Canada is Mount Robson, at 12 972 feet.

The Rockies are close to the west coasts of both Canada and the USA.

The Rockies span from British Columbia and Alberta to Montana and Idaho.

It can snow until July on the higher points of the mountains!

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Select a different mountain range and create an information sheet about it to share with the class. What type of mountains are they? What countries are they in? What continent are they in?