



# Why are mountains so magnificent?

YEAR 5  
GEOGRAPHY

KNOWLEDGE MAT

## KEY KNOWLEDGE

### Mountains

- Mountains are a natural part of the landscape with steep slopes.
- They rise above 300m.
- They have a summit of at least 600m.
- Some mountains are found in groups called a mountain range but some mountains can be on their own.
- Not all mountains are single summits.
- Mount Everest is the highest mountain in the world – 8848m.



## KEY VOCABULARY

**altitude** = The height above sea level.

**avalanche** = A large amount of snow that quickly moves down a mountain or slope.

**crust** = The outermost layer of the earth.

**gorges** = A narrow valley with steep walls, found between hills or mountains.

**hypothermia** = A serious condition when the body gets too cold and can't warm itself up.

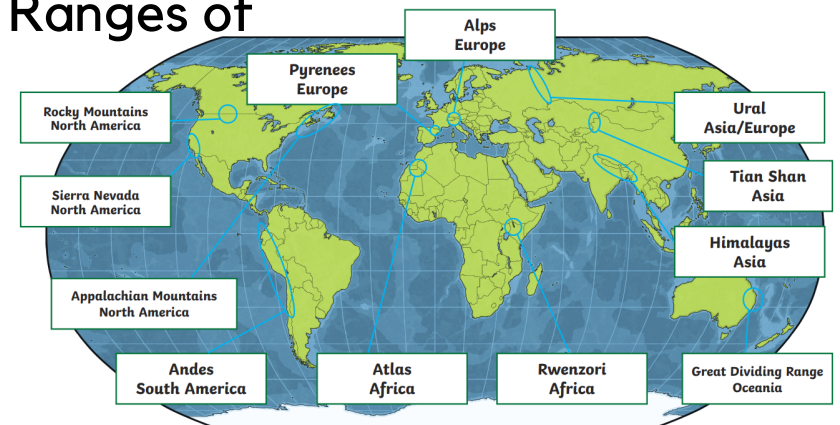
**lava** = Hot, liquid rock that flows from a volcano.

**magma** = Hot, liquid rock located deep below the earth's surface.

**summit** = The highest point of a mountain.

**tectonic plate** = Pieces of the earth's crust connected together.

### Mountain Ranges of the world



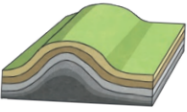
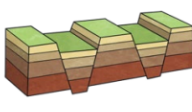










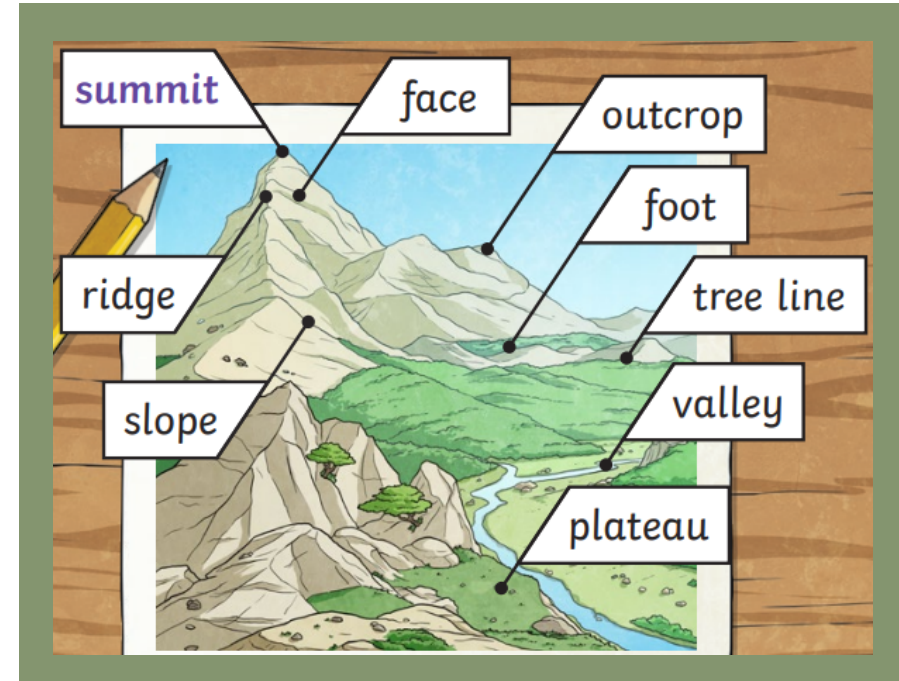
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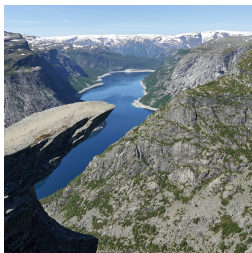
### How are mountains made?

Fold mountains	Fault-block mountains	Volcanic mountains	Dome mountains	Plateau mountains
<b>Tectonic plates</b> collide and rock is pushed up.	Cracks in the earth's surface open up, some chunks of rock are pushed up, some down.	Formed around volcanoes and made of layers of ash and cooled <b>lava</b> .	Formed when <b>magma</b> is forced upwards but doesn't ever flow out of the <b>crust</b> .	Materials taken away through erosion leave deep valleys or <b>gorges</b> next to high cliffs.
				
				



### Why do people visit mountains?

- The view
- Keeping fit
- The challenge
- Skiing
- Climbing
- Photography



### Dangers of mountains:

- Low temperature = hypothermia
- Bad weather = power cuts/road accidents
- Avalanches/landslides
- Altitude sickness
- Wild animals
- Poor access



### Contour lines

These lines on a map join land that is at the same height. They are usually marked in 5m or 10m intervals. The closer the lines are together, the steeper the slope will be.

