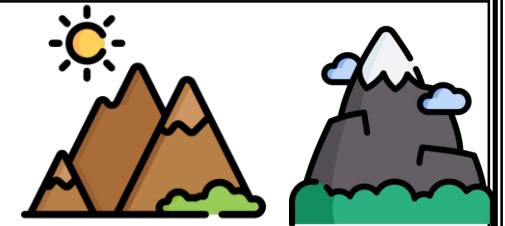


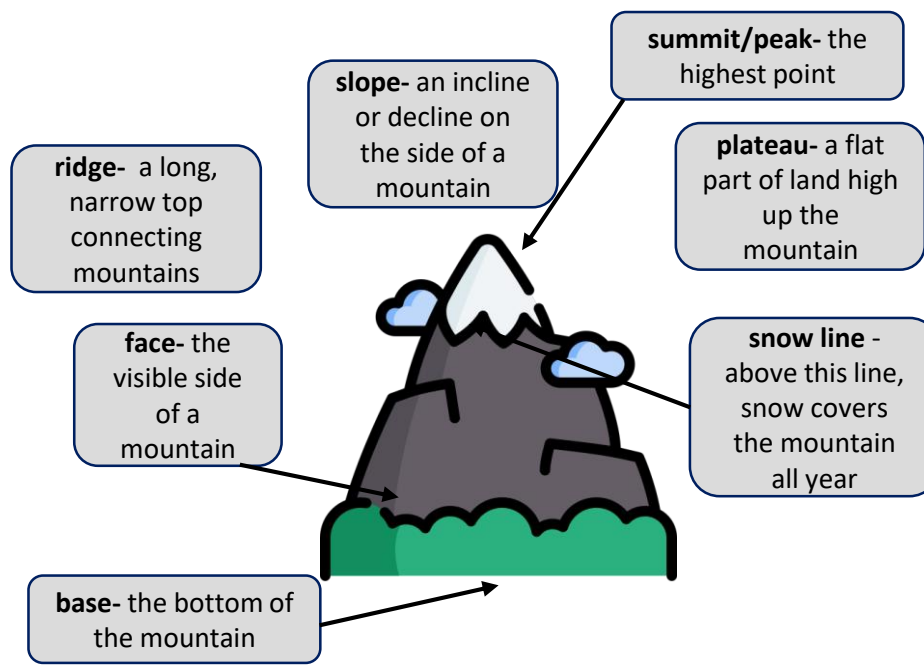
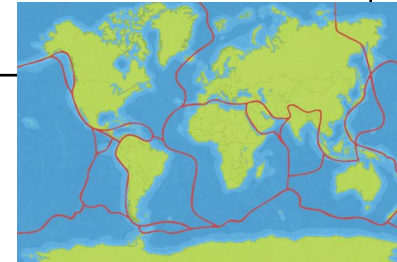
Mountains

Geography 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
crust	The outer layer of the earth.
alpine	Relating to high mountains.
lava	The hot, liquid rock that flows from a volcano.
peak	The highest point of the mountain.
sedimentary rock	formed from broken down bits of other rocks or even from the remains of plants or animals.
igneous rock	formed when magma cools and solidifies
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.

Tectonic plates
The Earth's surface is cracked into large pieces called tectonic plates. Tectonic plates slowly move, creating mountains, islands and even re-arranging continents.



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.

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 Climate on Mountains
The climate on mountains becomes colder the higher the altitude gets. They also tend to be wetter than the surrounding flat land.
Weather conditions can change very quickly on mountains, which can make them very dangerous. Storms can roll in quickly and temperatures can drop from warm to below freezing.

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 .