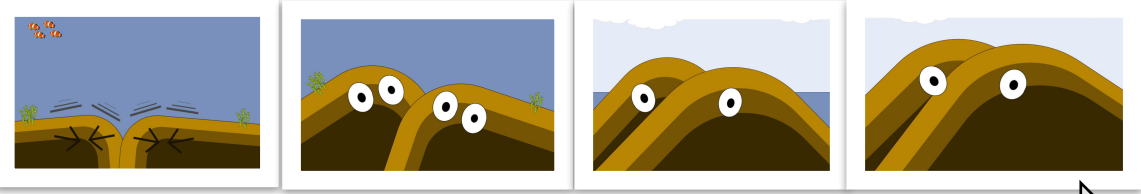


# Knowledge Organiser Rocks and Fossils

<b>KEY VOCABULARY</b> Learn these words and their definitions. (See also diagrams)	
Key Word	Definition
metamorphic rock	A rock made by changing existing rocks by heat or pressure.
igneous rock	A rock made from solidified lava or magma.
sedimentary rock	Rock made when sand, mud and pebbles join in layers.
soil	Formed from eroded rock. These include clay, chalky, peaty, and sandy etc. Include plant and animal material, water, and living things.
Eroding / erosion	When rocks get worn away and break due to physical, chemical or biological processes: often by water, wind, or ice.
Permeability (& impermeable)	How easily water moves through rocks and soils.
fossil	A preserved sign of life more than 10,000 years old.
mineral	A solid substance naturally formed underground i.e. coal.
weathering	The breaking down or dissolving of rocks and minerals on Earth's surface.



**Rock & Soil Types**  
Limestone, sandstone, granite, basalt, shale, slate, marble



How mountains are formed.

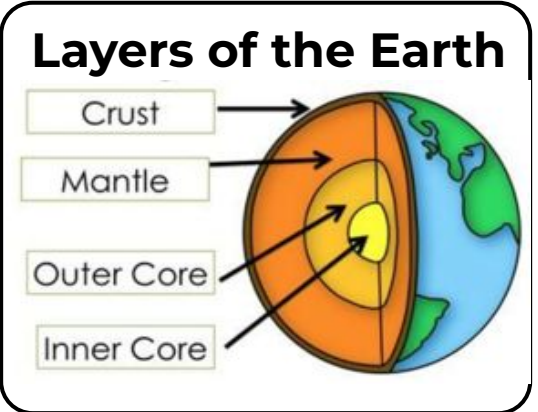
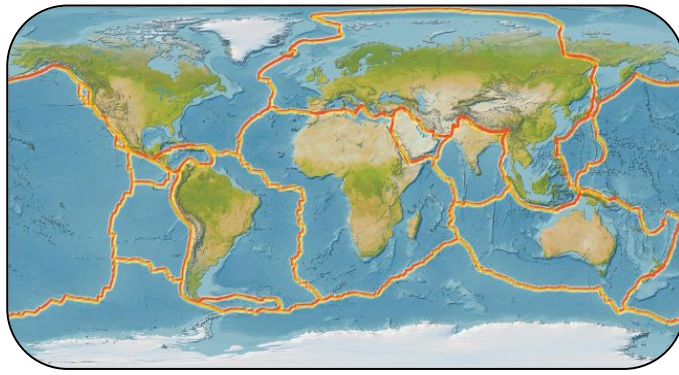
The tectonic plates are constantly moving. Sometimes they join together and hit one another.

They don't break up, but instead push upwards in the water together.

They merge together underwater and eventually push above the water's surface to form a big mountain.

Eventually, a huge 'fold' mountain is formed. This is how the world's tallest mountain, 'Everest' was made.

## Earth's tectonic plates



## Volcano

