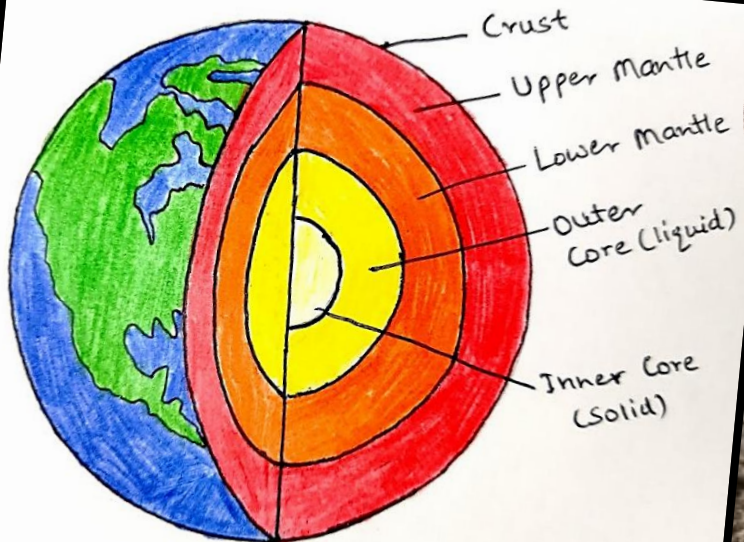


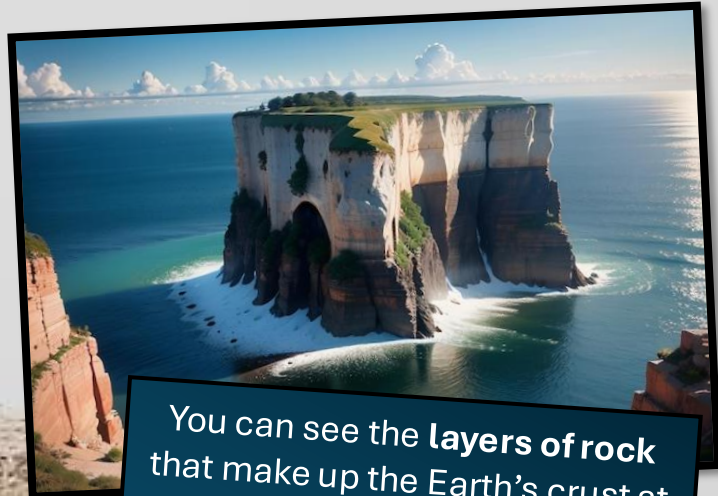
Ammonite (shell fossil)

Coprolites (fossil of animal faeces)



Fossils are the preserved remains of plants and animals whose bodies were buried in sediments, such as sand and mud, under ancient seas, lakes and rivers.

- Vocabulary**
- rock
 - stone
 - sedimentary
 - metamorphic
 - igneous
 - fossils
 - classify
 - sort
 - layers
 - years
 - pressure
 - preserve
 - age
 - crust
 - mantle
 - core



You can see the **layers of rock** that make up the Earth's crust at certain cliffs and rock faces. The layers build up upon one another **over millions of years.**

The Earth is constructed of many **layers**, each with its own properties. As you get closer to the **centre** (inner core) of the Earth, the hotter it becomes.

Why is the outer core liquid and the inner core solid?

Clue: Heat and pressure!



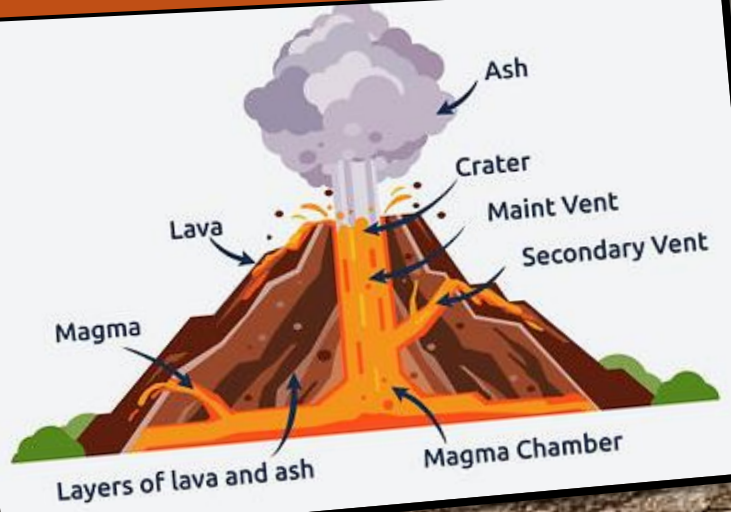
Soil is a mixture of tiny particles of rock, dead plants and animals, air and water. Different soils have different properties depending on their composition.

You can have sandy soil, clay soil and lots of other types!

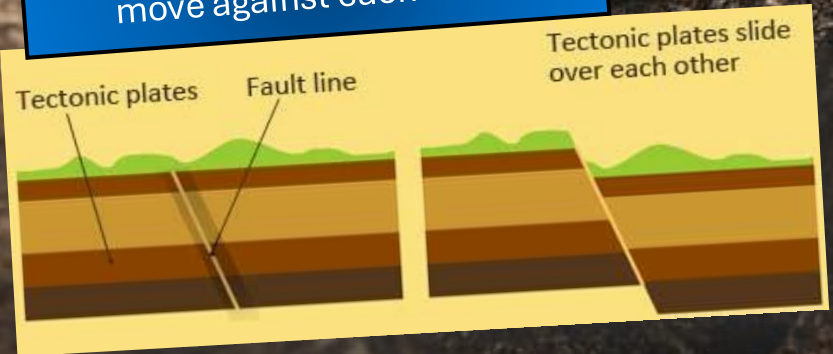
WHAT IS UNDERNEATH OUR FEET?

WHAT IS UNDERNEATH OUR FEET?

Volcanos are a dangerous **natural phenomenon** that can allow magma (from deep under the Earth) to rise to the surface.

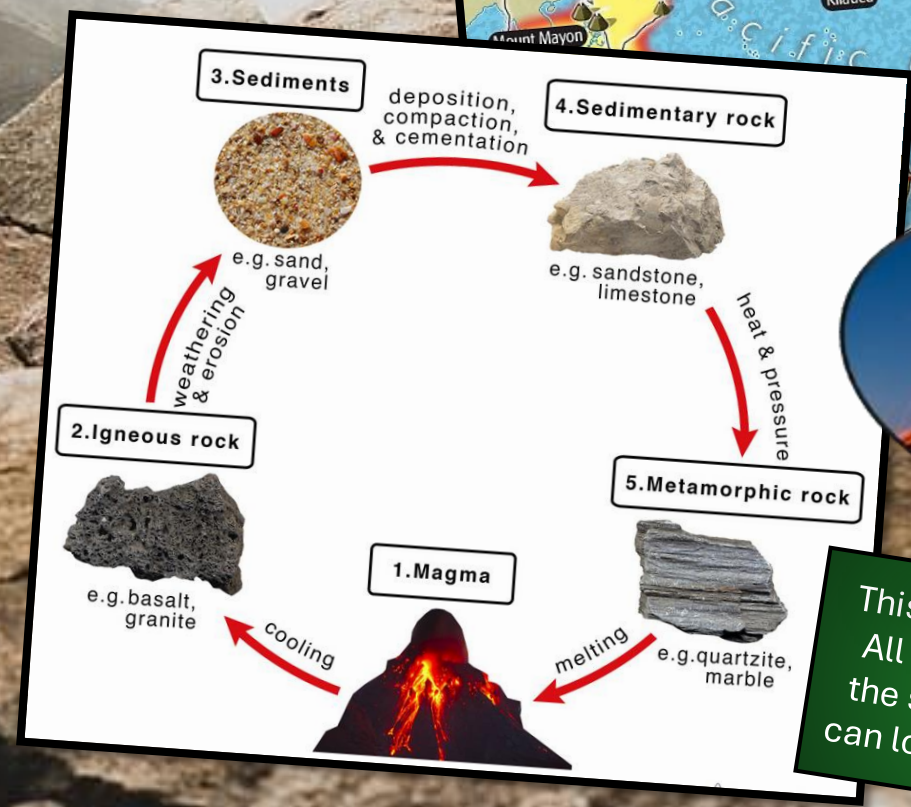
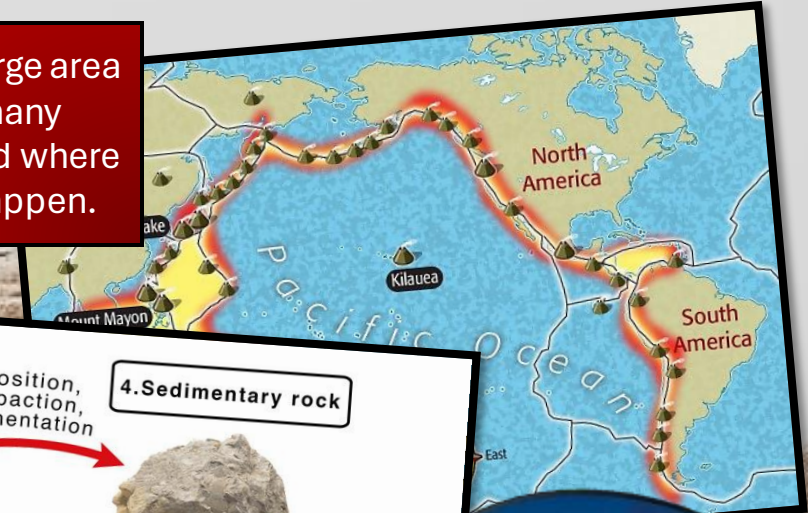


Earthquakes happen when two or more **tectonic plates** shift or move against each other.



Vocabulary
 volcano
 mountain
 magma
 lava
 ash
 crater
 vent
 chamber
 layers
 erupt
 pressure
 heat
 melt
 cool
 erode
 active
 dormant
 extinct

The '**Ring Of Fire**' is a large area of the Earth where many volcanos are **active**, and where many **earthquakes** happen.



This is the rock cycle. All rocks come from the same place – but can look very different!