



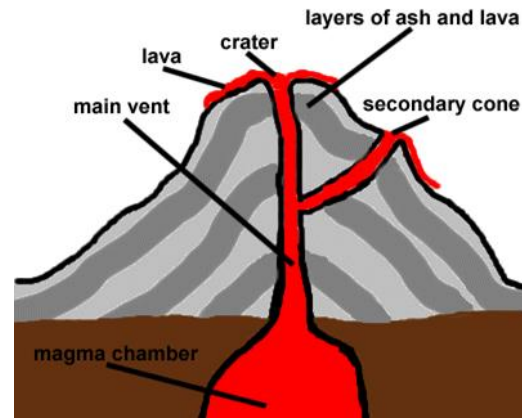
**Igneous rocks** are formed from molten **rock** that has cooled and solidified.



The Earth is like a cracked boiled egg. **tectonic plates** slowly slide around on the surface. The moving plates cause **earthquakes**. Lava squirts out through **volcanoes** on the cracks.

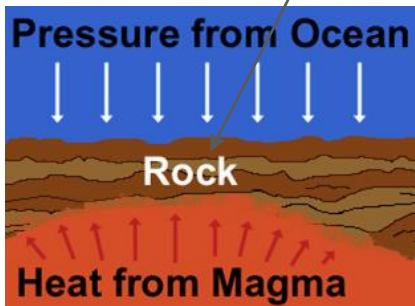
## Knowledge Organiser

### A simple cross section of a volcano



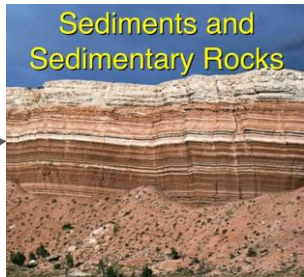
**Metamorphic rocks** are formed from other **rocks** that are changed because of heat or pressure.

# Rocks



### Paleontology

**Paleontology** involves the study of fossils and how animals and plants lived together in the past. A famous early paleontologist was **Mary Anning**.



Sediments and Sedimentary Rocks



**Fossils** can be discovered in solid rock millions of years after they were formed.



**Fossils** are formed when **sedimentary rocks** are formed.

**Fossils** occur when the remains of a plant or animal have been covered by sediment. The animal decays and the remains are replaced by stone.

**Sedimentary rock** is formed through the deposition and solidification of **sediment**