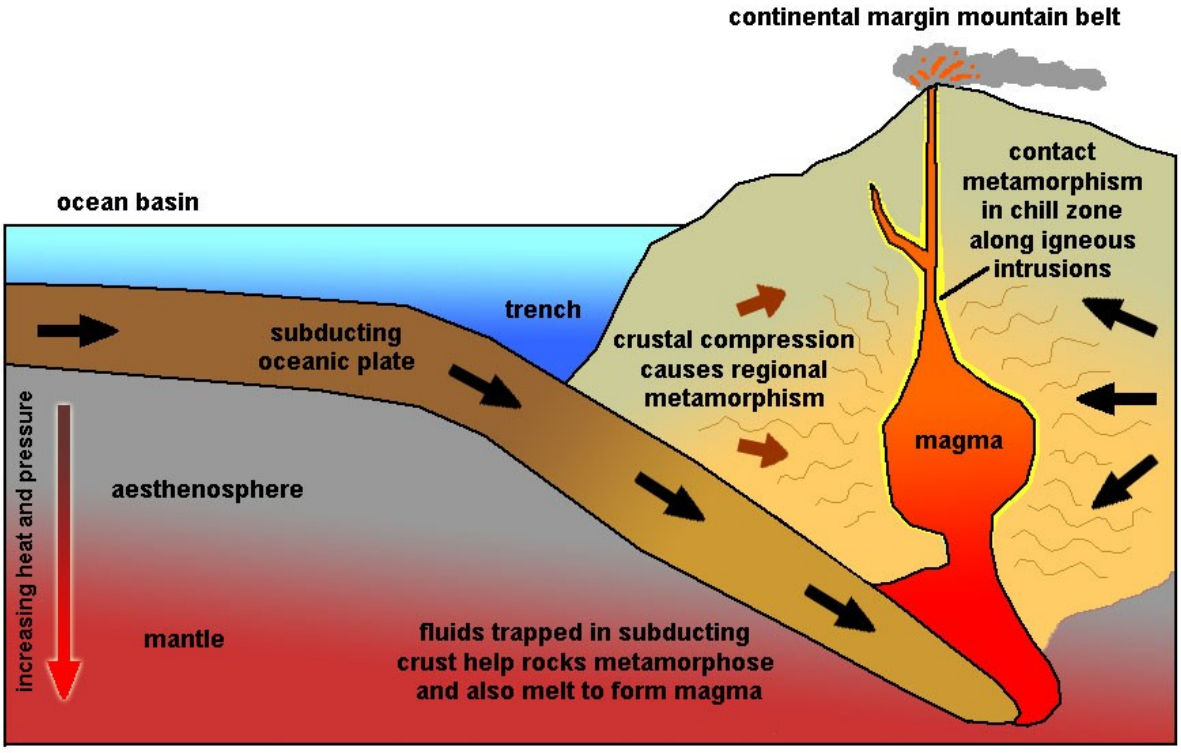
Rock Formation

The Earth is a rocky planet. We can classify all the rocks on Earth into three main groups according to their origin:

a) igneous rock
b) sedimentary rock
c) metamorphic rock

The surface of the Earth is in a process of continuous recycling.

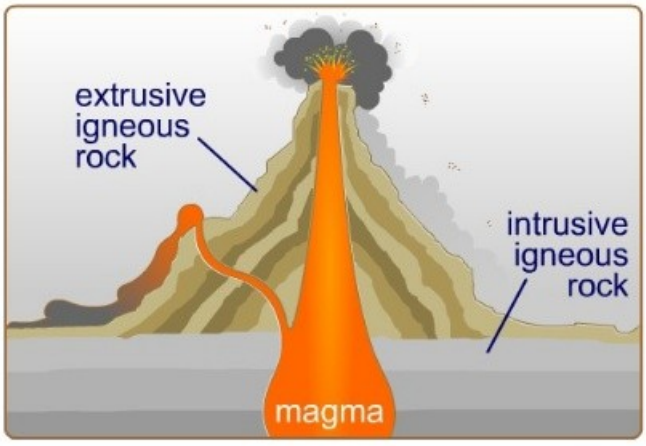


Rock Formation

a) The formation of igneous rocks

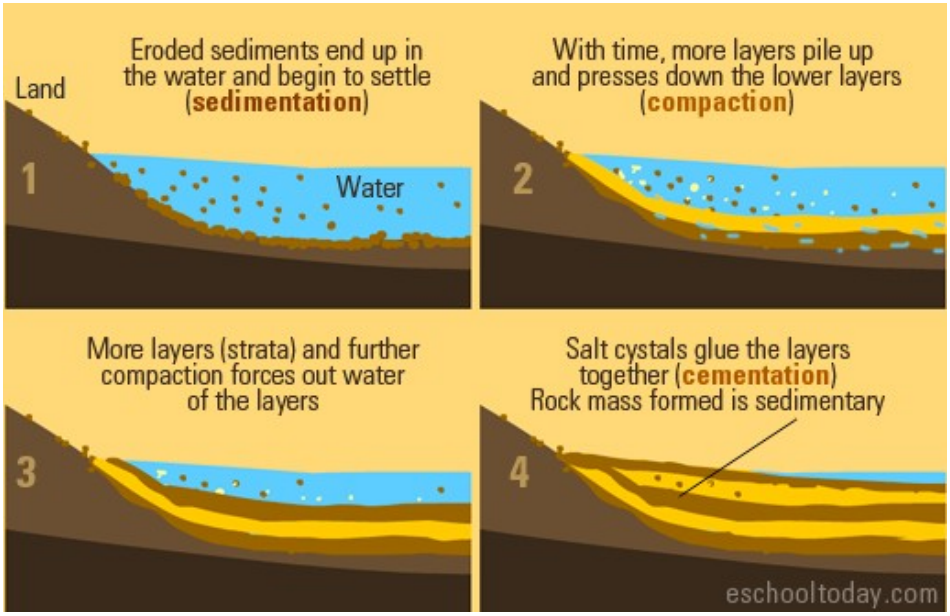
- **How are igneous rocks formed?**

Deep in the ground is molten rock called **magma**. Sometimes, magma bursts through the surface causing volcanic eruptions.
Igneous rocks are formed when **magma cools and solidifies.**

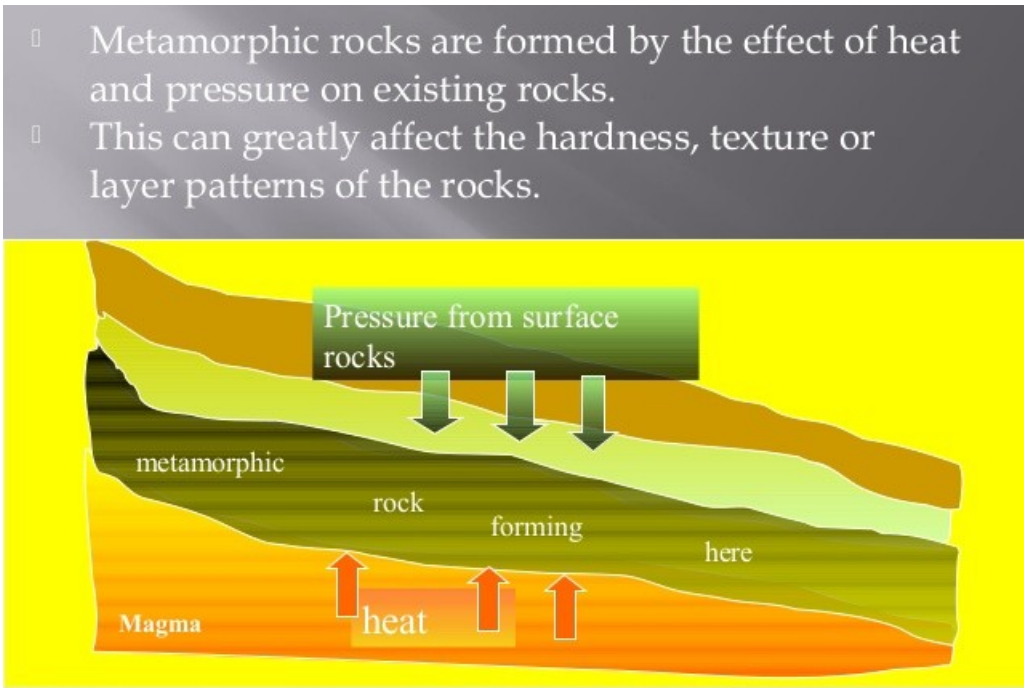


- When magma cools above the surface, **<u>extrusive</u> igneous rocks** are formed.
- When magma cools below the surface, **<u>intrusive</u> igneous rocks** are formed.

b) The formation of sedimentary rocks

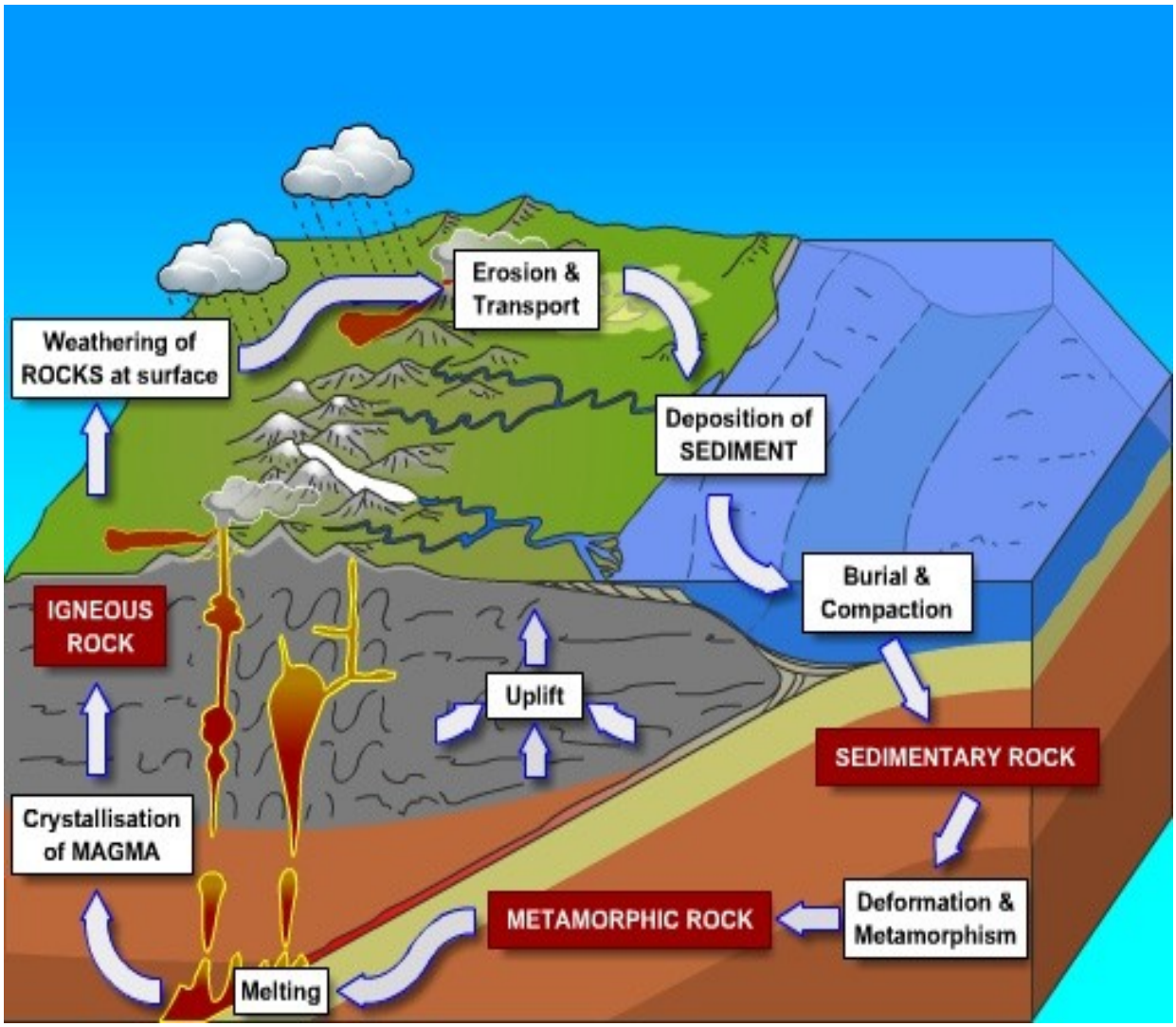


c) The formation of metamorphic rocks



Rock Formation

The cycle of rock formation



Rock Formation

Task: Use the illustration below to describe the formation of different types of rock.