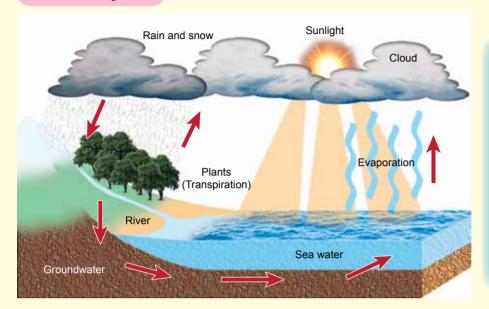
### **Distribution of Water on Earth**

### Water cycle



The amount of water contained in Earth is always constant. This is because there is a water cycle involving the movement of water from the sea to the atmosphere, and then from the atmosphere to the Earth's surface, and back to the sea.

## Earth's Layer

Mantle is a layer of Earth that lies beneath the crust. Mantle are topped in thick magma with temperature hot between 1400°C and 2500°C. This laver measures between 100 km and 2900 km in depth.

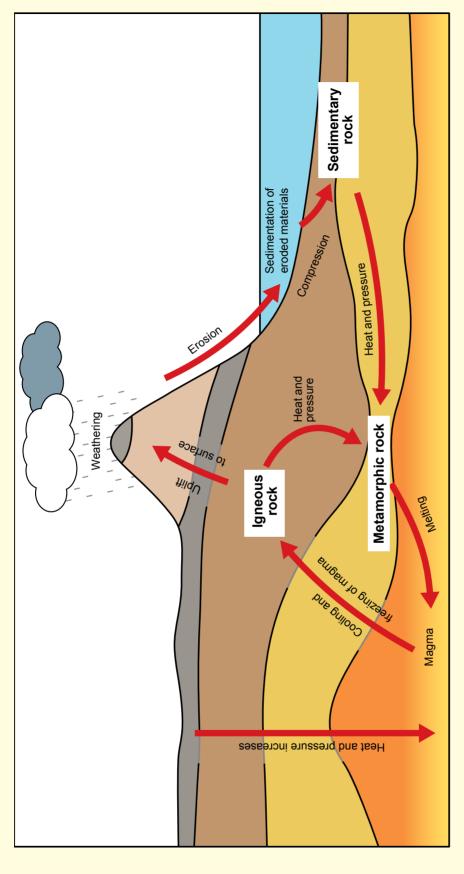
**Crust** is the outermost layer of Earth that becomes the living place for all living things. This layer is arranged on soil and rocks. The crust layer is between 0 and 100 km in depth from the surface of the ground.

**Outer core** is the layer of Earth that lies beneath the mantle. This layer is very hot, have temperature between 3000°C to 5000°C.

Inner core is the layer of Earth that lies beneath the outer core. The inner core is very hot (3000°C – 5000°C). The diameter of the inner core is about 6800 km.



# The Process of Rock Formation



Sedimentary rock	<ul><li>Formed by sediment that i</li></ul>	deposited for a long perior
Igneous rock	<ul> <li>Formed when magma or lava</li> </ul>	from mantel layer cools and

Example: Granite, basalt and obsidian from mante solidifies.

Example: Sandstone, mudstone ed for a long period of time, usually as layers at the by sediment that is bottom of a lake or sea.

and limestone

# igneous or sedimentary rocks A result of transformation of

Metamorphic rock

Example: Marble, slate and schist which exposed to very high heat and pressure