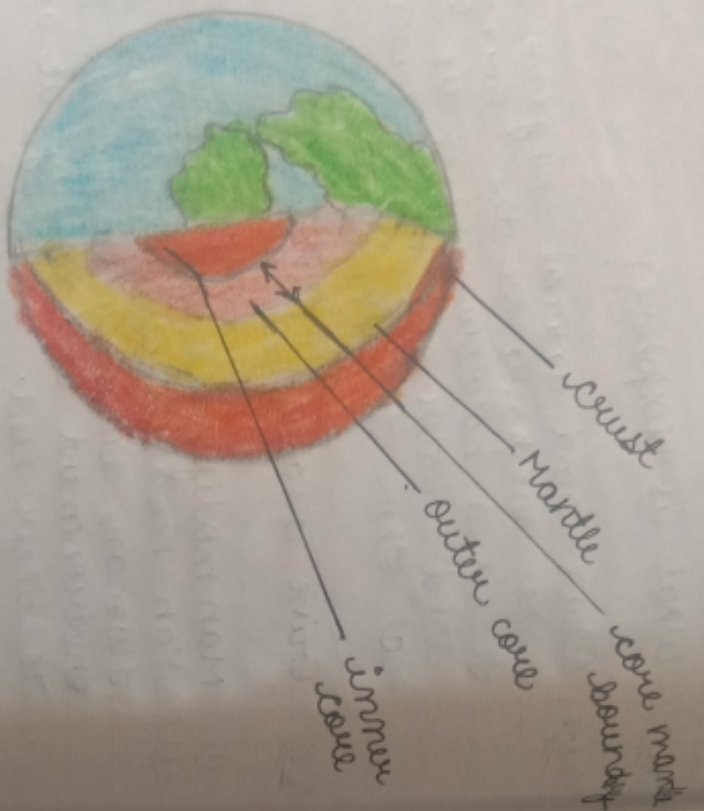




Division of the Earth

Chapter 2

Inside Our Earth

Notes :-

1. Crust :-

The uppermost layer over the earth's surface is called the crust.

2. Sial :-

The main minerals constituents of the continental mass are silica and aluminium. It is thus called sial.

3. Sima :-

The ~~mainly~~ ~~oceanic~~ oceanic crust mainly consists of silica and magnesium; it is therefore called sima.

4. Nife :-

The innermost layer is the core with a radius of about 3500 km. It is mainly made up of nickel and iron and is called nife (~~ni-nickel~~ and ~~fe-ferrous~~ i.e. ~~iron~~.)

5. Rock :-

Any natural mass of minerals matter that makes up the earth's crust is called a rock. There are three types of rocks are :-

• Igneous rocks:-

Latin words Ignis meaning fire.

• Sedimentary rock:-

Latin word sedimentum meaning settle down.

• Metamorphic rocks:-

Greek word metamorphase meaning change of form.

6. Sediments:-

Rock roll down, crack and hit each other and are broken down into small fragments. These small particles are called sediments.

Ques./Ans.

Q:1 What are the three layers of the earth?

Ans:1 (1) Crust (2) ~~Men~~ Mantle (3) core

Q:2 What is a rock?

Ans:2 Any natural mass of mineral matter that makes up the earth's crust is called a rock.

Q:3 Name the three types of rocks.

Ans:3 (1) Igneous rocks (2) sedimentary





Magma

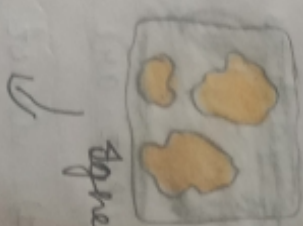


Metamorphic Rock



Sedimentary Rock

Sediments



Igneous rock

Rock cycle

(3) Metamorphic rocks

Q14 How are extrusive and intrusive rocks formed?

Ans 4 Extrusive rocks:-

Sometimes the molten magma cools down deep inside the earth's crust. Solid rocks ~~are~~ formed. They are called intrusive rocks.

Intrusive rocks:-

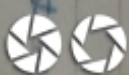
Lava is actually flowing and molten magma coming out from the interior of the earth on its surface. When this molten lava comes on the earth's surface, it rapidly cools down and becomes solid. Rocks formed in such a way on the crust are called extrusive rocks.

Q5 What do you mean by a rock cycle?

Ans 5 The process of transformation of the rock from one to another is known as the rock cycle.

Q6 What are the uses of rocks?

Ans 6 Rocks are very useful to us. The hard rocks are used for making roads, houses and building. You use stones in many games. For example: cricket etc.



Q:1 What are metamorphic rocks?

Ans: 1
incomplete
Metamorphic: greek word metamorph
-ise meaning change of form.

