

Q.1 The following questions -

(i) What are the three layers of the earth?

Ans. The Three layers of the Earth are the Crust, Mantle and The Core.

(ii) What is a Rock?

Ans. A Rock is a natural mass of mineral matter that make up the earth's crust. Rocks can be of different colour, size and texture.

(iii) Name three types of rocks.

Ans. The Three types of Rocks are igneous rocks, Sedimentary rocks & Metamorphic rocks.

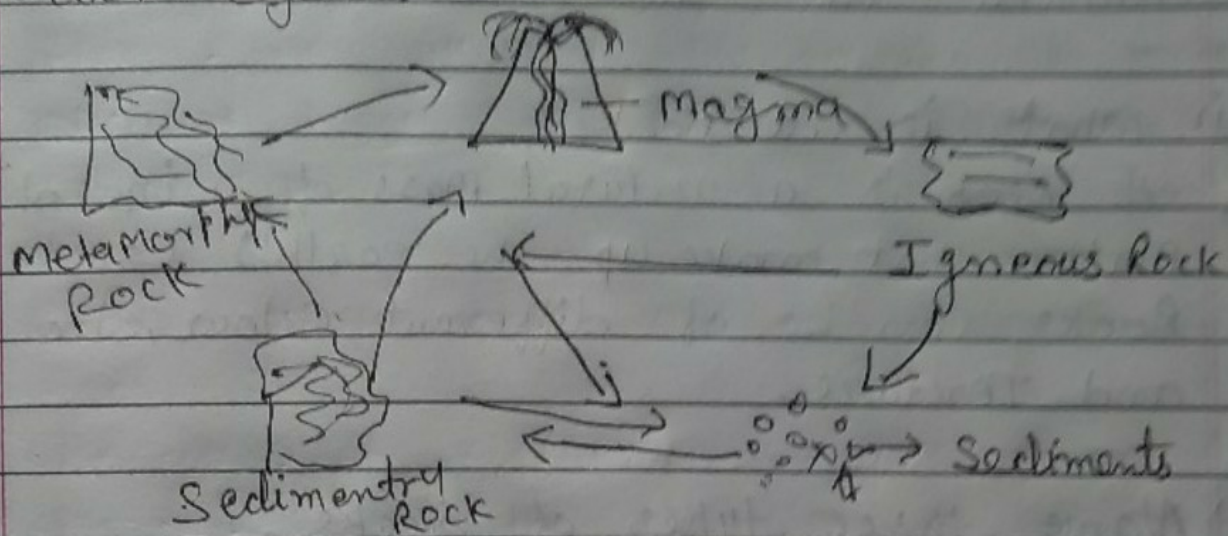
(iv) How are extrusive and intrusive rocks formed?

Ans. Extrusive rocks are formed by the molten lava which comes on the earth's surface and rapidly cools down to become solid.

- When the molten magma cools down deep inside the earth's crust then the solid ~~so~~ rocks so formed are called intrusive rocks.

(V) What do you mean by a rock cycle?

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



(VI) What are the uses of rocks?

Ans. Uses of Rocks →

- (i) Hard rocks are used in construction of buildings and roads.
- (ii) Some shiny and precious stones are used for making jewellery.
- (iii) Important minerals we get from rocks.
- (iv) Fuels - coal, natural gases & Petroleum.
- (v) Soft rocks are used for making talcum powder, chalk etc.

(VII) What are metamorphic rocks?

Ans. The rocks which are formed due to conversion of igneous and sedimentary rocks under great heat and pressure is called metamorphic rocks.

Q. 2 Tick The Correct answer

(i) The rock which is made up of molten magma is
✓ (a) igneous (b) sedimentary (c) Metamorphic

(ii) The innermost layer of the earth is —
(a) Crust (b) Core (c) mantle

(iii) Gold, Petroleum and coal are examples of —
(a) Rocks (b) Minerals (c) Fossils

(iv) Rocks which contain fossils are —
(A) Sedimentary (b) metamorphic rock (c) igneous

(v) The thinnest layer of the earth is —
(A) Crust (b) mantle (c) Core

Q. 3 Match the followings

(i) Core → (e) inner most layer

(ii) minerals → (d) Has definite Chemical Composition

(iii) rocks → (b) used for roads & buildings

(iv) clay → (F) changes into slate

(v) Sial → (c) Made of Silicon and Alumina

Q. 4 Give reasons.

(i) We cannot go to the centre of the earth, because it has very high temperature & pressure and lies 6000 km below the ocean floor. We will not be able to survive there, because there is no oxygen or favourable conditions.

(ii) Sedimentary rocks are formed from sediments.

Ans. Because of extreme compression and hardening of the particles of sediment which are transported and deposited by wind, water etc.

(ii) Limestone is changed into marble.

Ans. Because of extreme heat and pressure as it is a sedimentary rock.