

❖ **CHARACTERISTICS OF IGNEOUS ROCKS :-**

- a. Igneous rocks are and compact.
- b. They do not have layers
- c. These rocks are crystalline
- d. They contains many minerals

2. SEDIMENTARY ROCKS :-

Formation of sedimentary rocks: - When the running river water breaks the rocks into small partials and deposits into layers after layer. These layers due to heat and temperature get compact are called sedimentary rocks. Ex – Sand stone, Shale.

❖ **CHARACTERISTICS OF SEDIMENTARY ROCKS :-**

- a. They are made up of small sediments of other rocks. That is why they are called sedimentary rocks.
- b. They are made up of many layers.
- c. They are found largest amount in the world. Nearly 75% of our rocks are sedimentary rocks.
- d. Under these rocks minerals like, coal, oil and natural gasses are found.

3. METAMORPHIC ROCKS :-

FORMATION: - When one rock changed into other rocks due to heat, temperature and pressure is called metamorphic rocks. Ex – Lime stone changed into marble shale into state. Metamorphic rocks are very slow formation it takes million of years to from.

❖ **CHARACTERISTICS OF METAMORPHIC ROCKS :-**

- a. They are very hard, compact and bulkers.
- b. They have layers but they are highly compact.
- c. They are non porous.
- d. They do not have any fossils fuel like coal or gas.
- e. These rocks are associated with valuable minerals like gold, silver.

❖ **USES OF ROCKS :-**

Rocks are very highly useful to man rocks contains many minerals which have many economic value. Many minerals are needed for industries Rocks are used construction of dams and bridges and road. Rocks contains potash, nitrate which are used for making fertilizer.

❖ **ROCKS CYCLES :-**

When are rock changed into another rocks in a continous cycles is called ROCKCYCLES. Ex – When one rock changed into sedimentary rock. Further sedimentary rock is called Metamorphic Rocks.

SOLVED QUESTION:-

(1) Name the three layers of the earth.

The three layers of the earth are crust, mantle and care.

(2) Write the differences between Extrusive Igneous rock and Intrusive Igneous rock.

	Extrusive Igneous	Intrusive Igneous
1	They are formed outside the earth crust.	They are formed inside the earth crust.
2	They have fine grains.	They have coarse grains.
3	Example :- Basalt	Example :- Granite

(3) Write the uses of rocks .

The uses of rocks are as follows :

- 1. Rocks were used to make monuments and temples in ancient time.**
- 2. Rocks are used for construction of dams , bridge , roads etc.**
- 3. Rocks contains potash , nitrate and phosphate which are used to make fertilizer.**
- 4. Rocks contain previous metals like gold, silvers and platinum which are very castly.**
- 5. Rocks and stone were used to make weapons in the early civilization.**

UNSOLVED QUESTIONS :-

- (1) Write two difference between Crust and Mantle.**
- (2) Write two characteristics of Igneous Rocks.**
- (3) What is rocks cycle?**
- (4) Write three characterize of Metamorphic Rocks.**
- (5) Write three differences Igneous rocks and Metamorphic rocks.**