

Grade- VII

SOCIAL

I- Answer the following

1) Which are the three layers of the earth?

A) Following are the three layers of the Earth:

- Crust: It is the outermost layer of the Earth's surface. It extends from 5 to 8 kilometers beneath the oceans and about 35 kilometers beneath the continental masses.
- Mantle: It is the layer that lies below the crust. The thickness of mantle is 2,900 kilometers.
- Core: It is the innermost layer of the Earth and is 3,500-kilometres thick.

2) What are minerals?

A) The naturally occurring inorganic compounds found in the Earth's crust are known as minerals. Minerals are made up of one or more elements that have definite chemical composition and physical properties.

3) What are sediments?

A) Rocks on the surface of the Earth constantly break into smaller pieces due to the force of running water, ice, winds and waves. These smaller fragments of rocks are known as sediments. Sediments are of various sizes, ranging from sand, silt and clay to gravel.

4) Define fossils? Name two fossil fuels found in sedimentary rocks.

A) The dead remains of plants or animals that are preserved in the sedimentary rocks are known as fossils. These remains are from the prehistoric times and are very rare because their formation involves a long process.

The two fossil fuels found in sedimentary rocks are natural gas and petroleum.

5) Difference between Magma and lava

Magma	Lava
1. The hot molten material present in the interior of the Earth is known as magma.	Lava is the material that reaches the Earth's surface from its interior through cracks and crevices.
2. Magma gets collected in a magma chamber beneath the volcanoes.	Lava erupts from cracks or crevices on the Earth's surface to form volcanoes.

II-Choose the correct answer

1)The temperature in the lower mantle is

(c)

- (a) 2000 °C
- (b) 2100 °C
- (c) 2200 °C
- (d) 2300 °C

2)The core of the earth is made up of

(d)

- a. silicon
- b. aluminium
- c. magnesium
- d. nickel and iron

3)Haematite is an ore of

(b)

- a. copper
- b. iron
- c. aluminium
- d. manganese

4)This is plutonic rock

(a)

- (a) granite
- (b) gypsum
- (c) basalt
- (d) gneiss

5) Sedimentary rocks are also called

(c)

- (a) stagnant
- (b) sedentary
- (c) stratified
- (d) solidified rocks

III- Classify the following rocks into Igneous, Sedimentary and Metamorphic.

Granite, sandstone, basalt, coal, marble, quartzite, limestone, obsidian, gypsum, gneiss, slate, dolerite

Igneous Rocks	Sedimentary Rocks	Metamorphic Rocks

ANSWER:

The rocks mentioned above have been classified in the following table:

Igneous Rocks	Sedimentary Rocks	Metamorphic Rocks
Granite, basalt, obsidian, dolerite	Sandstone, coal, gypsum, limestone	Quartzite, marble, gneiss, slate