



## CHAPTER-2

### NATURAL ENVIRONMENT: LAND

#### SOLUTIONS:

#### **Exercises**

1. Answer the question in a word or a sentence:

(a) Name the layer of the earth in which S waves cannot pass through.

Ans. The layer of the earth in which S waves cannot pass through is the core.

(b) What type of rock is formed when lava solidifies on the surface of the earth?

Ans. Igneous rock

(c) Which force is responsible for the folding of rock strata?

Ans. The compressional force is responsible for the folding of rock strata.

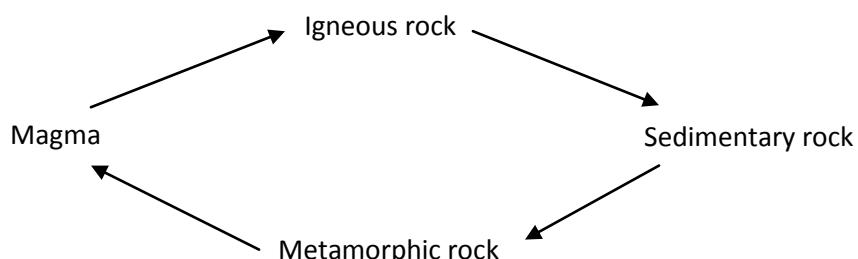
2. Answer the following questions in about 40 words each:

(a) How are metamorphic rocks formed? Give two examples.

Ans. Metamorphic rocks are formed when the original character of the rocks, i.e., colour, hardness and mineral composition is changed due to heat and pressure of the igneous as well as sedimentary rocks.

(b) What is a rock cycle?

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



(c) What do you understand by Endogenic forces?

Ans. The forces which originate inside the earth and bring changes on the surface of the earth are known as Endogenic or Internal forces.

(d) Differentiate between vertical and horizontal movements of the earth.

Ans.

Vertical movement

1. These movements are responsible for the rise or a fall of a part of the earth's surface.
2. These movements build up continents.

Horizontal movement

1. Horizontal movements disturb the horizontal arrangement of rock layers.
2. These movements are responsible for the formation of mountains.

3. Choose the correct answer:

- (i) Right valleys are formed between two
- |                       |                       |
|-----------------------|-----------------------|
| A. Fold mountains     | B. Block Mountain     |
| C. Residual mountains | D. Volcanic mountains |

Ans. A. Fold Mountains

(ii) The plateau which is enclosed by mountains is called

- |                        |                         |
|------------------------|-------------------------|
| A. Continental plateau | B. Dissected plateau    |
| C. Piedmont plateau    | D. Intermontane plateau |

Ans. D. Intermontane plateau

(ii) The Imphal valley is a lacustrine plain because it was formed due to

- |                            |                                |
|----------------------------|--------------------------------|
| A. Erosion of a highland   | B. Uplift of the sea floor     |
| C. Sedimentation in a lake | D. Draining out of accumulated |

Ans. C. Sedimentation in a lake

4. Give the correct term of the following:

(a) The place of origin of an earthquake inside the earth

Ans. Epicentre

(b) The molten part of the upper mantle

Ans. Asthenosphere

(c) Remains of plants and animals found in sedimentary rocks.

Ans. Fossils

(d) The fracture in rocks involving movement of strata

Ans. Faulting

(e) The upfolds of rock strata

Ans. Anticlines