

Bhowmarahasyangal thedi

Question.1. Name the process of disintegration or decomposition of rocks. Classify this process? Write examples of human activities that accelerate this process.

[Marks :(5)]

Ans. Weathering (1)

- Physical/Mechanical Weathering
- Chemical Weathering
- Biological Weathering (Any two) (1)
- Mining, Rock blasting, Land ploughing, Cattle grazing (1)

(Any two)

Question.2. Explain how flora and fauna can affect weathering.[Marks :(2)]

Ans.

- By penetration the roots of plants into the gaps of the rocks
- Through the decomposition of flora and fauna
- Burrowing of animals

(any two)

Question.3. Complete the table based on the formation of rock[Marks :(3)]

Rocks	The Process of Formation
Igneous rocks
.....	Sediments or rock debris deposited into low lying areas gets lithified
Metamorphic rocks

Ans. i) Magma cools and solidifies

ii) Sedimentary rocks

iii) The rocks are subjected to physical and chemical changes due to high temperature and pressure

Question.4. What is the difference between continental crust and oceanic crust ? Name these parts of the crust based on composition?[Marks :(3)]

Ans.

- continental crust - Silica and Alumina (1)
- oceanic crust - Silica and Magnesium (1)
- SIAL, SIMA (1)

Question.5. Write a note on the lightest layer of the earth layer. [Marks :(3)]

Ans.

- Lightest layer - crust (1)
- Approximate thickness 40 km (1)
- Two parts -Continental crust and oceanic crust.(1)

Question.6. Which of the following is the deepest layer [Marks :(1)]

of the Earth?

(Mantle, outer core, crust, inner core)

Ans. Inner Core

Question.7. Below are the names of the different layers of the earth's interior. Arrange them in order from surface to interior. (1)[Marks :(1)]

(Outer core, Inner core, Crust, Mantle)

Ans. Crust - Mantle -Outer core- Inner core

Question.8. Mention any two possible ways to protect the soil?[Marks :(2)]

Ans.

- Preventing deforestation
- Terrace farming along hill slopes

Question.9. Topography is a significant factor in soil formation. What are the other factors? Explain any two.[Marks :(4)]

Ans.

- Climate, Flora and Fauna, Timing and Parent rock.
- (Explain any two)

Question.10. What kind of weathering is most active in the desert? Why?[Marks :(2)]

Ans.

- Physical weathering
- High temperature cause expansion of minerals and there by disintegrate.

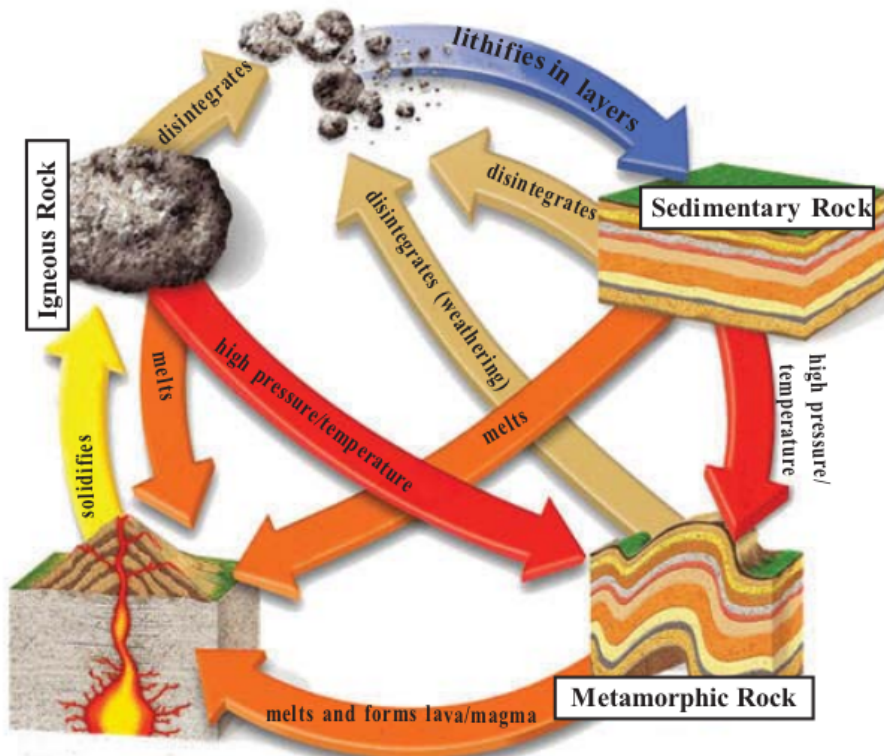
Question.11. How is weathering beneficial to humans?[Marks :(3)]

Ans. Weathering helps humans in many ways,

- Minerals in rocks get extracted
- Helps in mining
- Causes soil formation

Question.12. Analyse the diagram and write your inferences.[Marks :(1)]

Rock cycle



Ans. To define Rock Cycle (1)

To explain the formation of Igneous rocks from Sediimentary and metamorphic rocks

To explain the formation of sedimentary from Igneous and Metamorphic

To explain the formation of metamorphic from Igneous and Sedimentary

(Any two) (4)