

1.Environment
Geography
Class-7

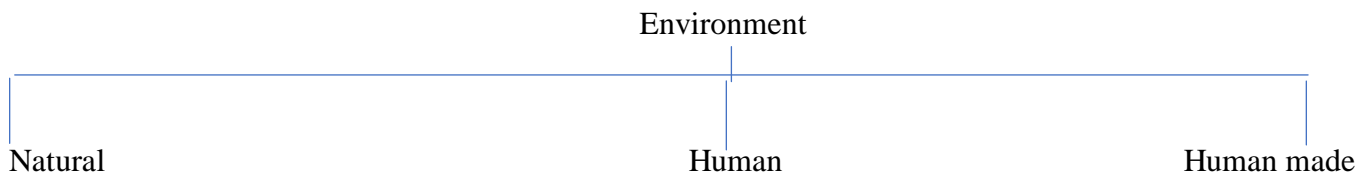
Important Points:

- The word **Environment** has come from the French word ‘environer’ meaning neighbourhood.
- **Barter System**- It is a trade in which goods are exchanged without the use of money.
- **Earth Day is observed on 22nd April.**
- **World Environment Day is observed on 5th June.**

Answer the following questions:

Q1. Which are the major components of the environment? Briefly explain them.

Ans 1



1. Natural environment- Land, water, air, animals and plants comprise the natural environment. It refers to the biotic and abiotic conditions existing on the earth.
2. Human environment- It is the interaction of human beings with their environment and modify it to suit their needs. For example- family, community, religion, etc.
3. Human made environment- It includes the people on earth and all the things they have made on the earth such as buildings, factories, roads, etc.

Q2 Differentiate between biotic and abiotic environment.

Ans2

BASIS	BIOTIC ENVIRONMENT	ABIOTIC ENVIRONMENT
Definition	It comprises of the world of living organisms.	It comprises of the world of non-living organisms.
Example	Plants and animals	Land, air, etc.

Q3 What are the four major domains of natural environment? Briefly describe them.

Ans. The four major domains of natural environment are-

1. Lithosphere

- It is the solid crust or top layer of the earth.
- It is made up of rocks and minerals and covered with thin layer of soil.
- It is an irregular surface with various landforms such as mountains, plateaus, plains, valleys, etc.
- It provides us with forests and grasslands for grazing, land for agriculture and human settlements.
- It is also a source of mineral wealth.

2. Hydrosphere

- The domain of water is referred to as hydrosphere.
- It comprises various sources of water and different types of water bodies like rivers, lakes, seas, oceans, etc.
- It is essential for all living organisms.
- Oceans that make up 71% of the earth's surface form a major part of hydrosphere.

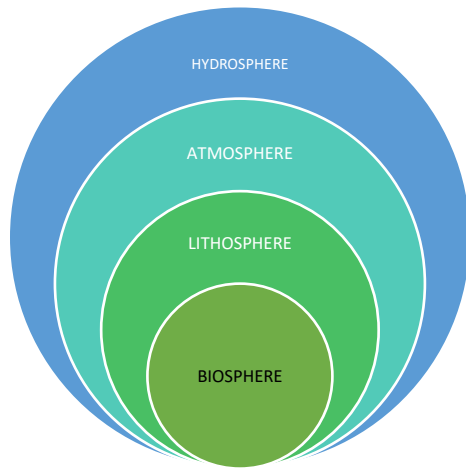
3. Atmosphere

- It is the thin layer of air that surrounds the earth.
- The gravitational force of the earth holds the atmosphere around it.

- It protects us from the harmful rays and scorching heat of the sun.
- It consists of number of gases, dust and water vapour.
- The changes in the atmosphere produce changes in the weather and climate.

4. Biosphere

- Plant and animal kingdom together makes biosphere or the living world.
- It is a narrow zone of the earth where land, water and air interact with each other to support life.
- It is made up of distinct zones called biomes or ecosystems.



Q4. How do human beings modify the natural environment?

Ans. Human beings modify the natural environment in the following ways:-

- The agricultural land is used to build factories and residential settlements.
- Human beings make cars, mills and manufacture containers which pollute the environment.
- They establish industries, schools and houses to meet their demands.

Q5 Briefly describe the changes that took place in the environment over the passage of time.

Ans. The changes that took place in the environment over a passage of time are-

- Transportation became faster.
- Surplus food was produced.
- Trade started and commerce developed.
- Industrial revolution enabled large scale production.
- Information revolution made communication easier and speedy across the world.

Q6 Write a short note on environment.

Ans

- The word environment has come from the French word environer meaning neighbourhood.
- It is our basic life support system.
- It provides us with the air, water, land, food, etc.
- The three components of environment are natural, human and human made.

Q7 Give reasons.

i) Man modifies his environment.

Man modifies his environment in order to have luxuries, live a comfortable life and fulfill his growing needs eg. green cover of the earth is being rapidly removed to setup new industries.

ii) Plants and animals depend on each other.

The animals and plants depend on each other for their basic survival needs. Plants provide food, shelter and oxygen for animals while animals in turn give CO₂ and manure to the plants.

Q8. What is ecosystem?

Ans. An ecosystem is a system formed by the interaction of all living organisms with each other and with the physical and chemical factors of the environment in which they live eg. rainforest, mountains, desert, pond etc.

Q9. Give some examples of artificial ecosystems?

Ans. Garden, terrarium, zoo, fish farm, aquarium etc.

Activity

Draw a diagram showing the components of environment.

(Refer pg. 2 of the text)

Please follow the given link:

<https://www.youtube.com/watch?v=F-W9I-TJtzU&t=23s>

https://www.youtube.com/watch?v=qr_U1P7XwhI