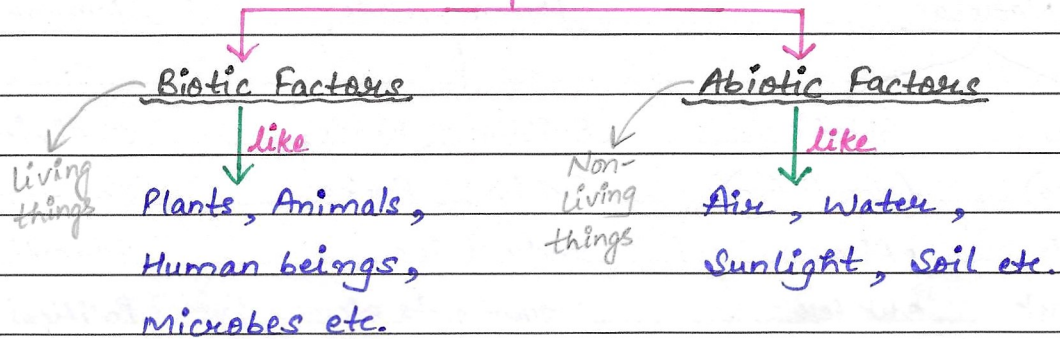




Environment

- The word "Environment" is derived from the French word "Environner" which means "surrounding" or "neighbourhood".

includes



- Anything that surrounds any living organism is known as environment.
- Definition: — It is defined as the surroundings or conditions in which an organism lives or functions.
- In simple terms, the environment is everything that surrounds us, including natural and human-made elements.
- A delicate and balanced relationship between living organisms and their environment is essential for their survival.

Environment is...

The surrounding of an organism that affect its life and development.





Components of Environment

Environment is a combination of natural and human-made phenomena.

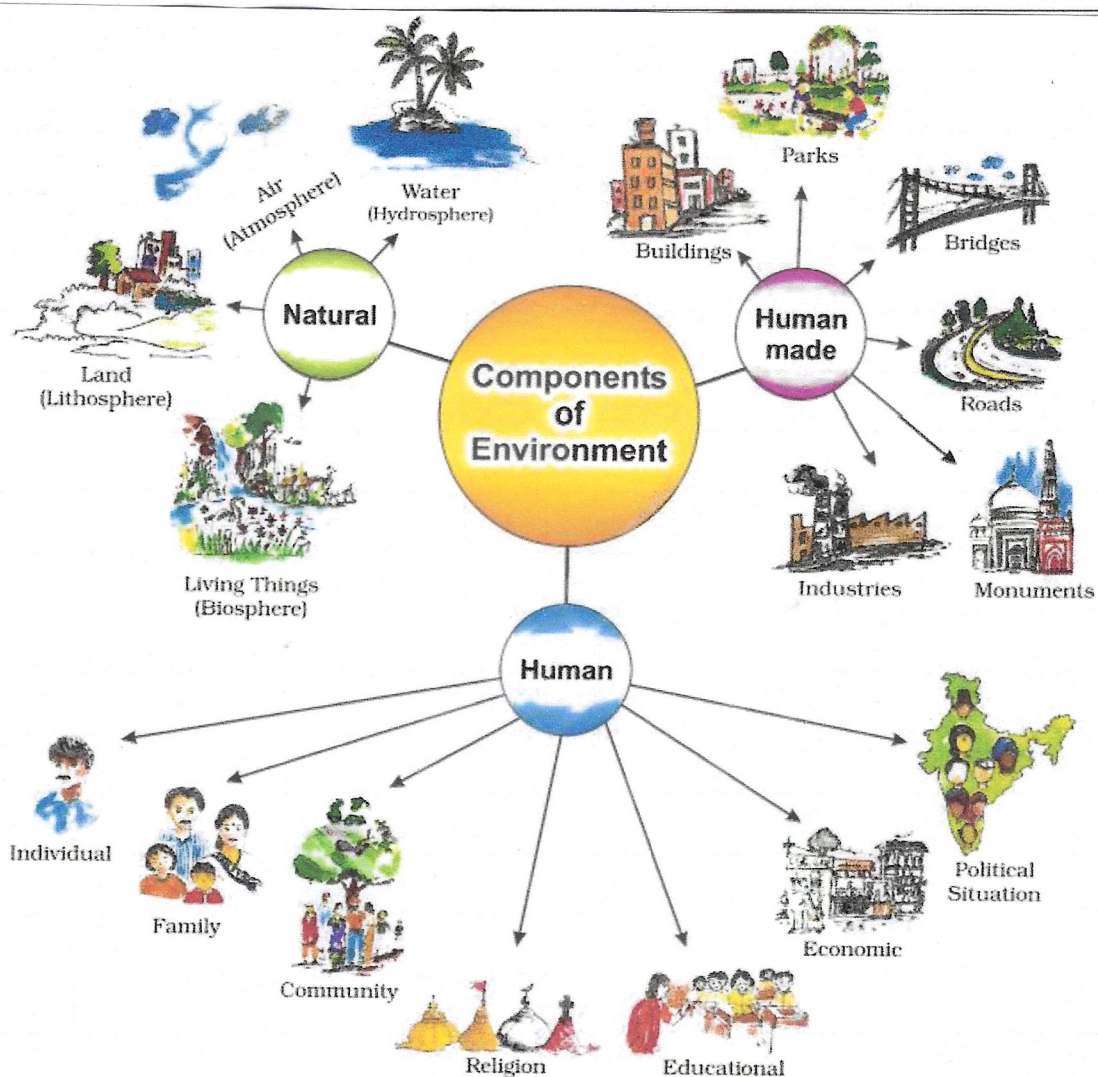
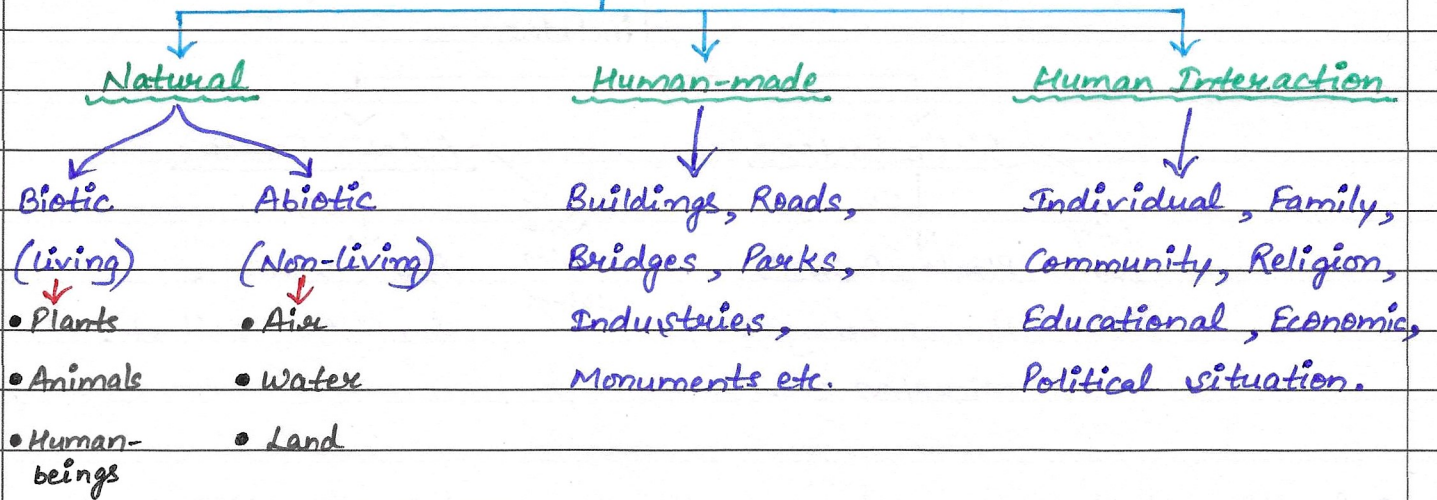


Fig. 1.1: Components of Environment



- (A.) Natural Environment:—

→ The natural environment includes everything created by nature such as land, air, water, plants, & animals.

→ It includes both
 → Biotic → living things
 → Abiotic → Non-living things

→ The natural environment is classified into various domains: → (1.) Lithosphere

- (1.) Lithosphere
- (2.) Hydrosphere
- (3.) Atmosphere
- (4.) Biosphere.

→ (2) Hydrosphere

→ (3.) Atmosphere

→ (4.) Biosphere.

→ Domains of Natural Environment:—

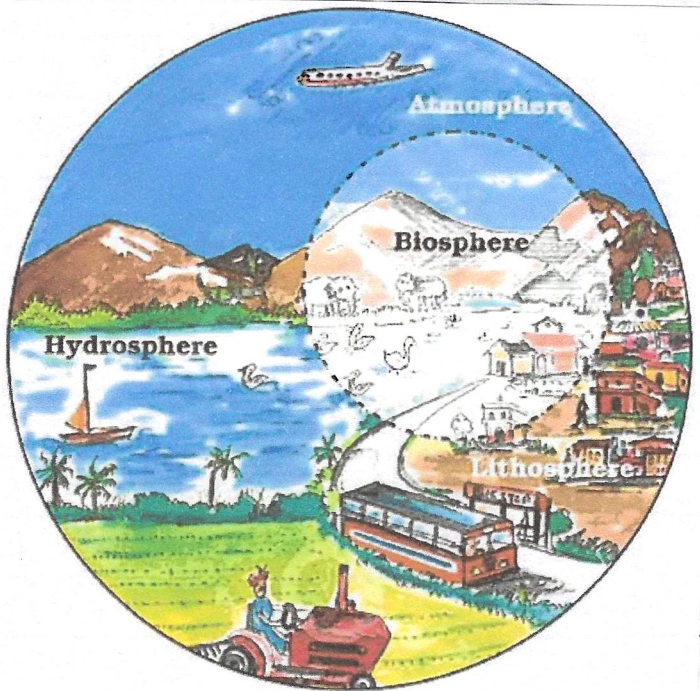


Fig. 1.2: Domains of the Environment

- (1.) Lithosphere! —

→ The solid, outermost layer of the Earth consisting of rocks, minerals, and soil.

→ It includes landforms like mountains, plains, & valleys found ~~on~~ both on continents and the ocean floor.



→ This domain provides us forests, 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 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.

• (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 consists of a number of gases, dust and water vapour.

→ It protects us from the harmful rays and scorching heat of the sun.

• (4) Biosphere! —

→ The living world is called biosphere.

→ Plant and animal kingdom together make biosphere.

→ It is a narrow zone of the earth where land, water and air interact with each other to support life.

• (B) Human-made Environment! —

→ This include structures and objects created by humans to



fulfill their needs. Examples:

★ Buildings, roads, bridges, parks and monuments.

★ Tools, machines and vehicles for transport and communication.

→ These are created by modifying the natural environment.

• (C) Human Environment! —

→ Human beings interact with both the natural and human-made environment to form their own environment.

→ This includes:

★ Social aspects! — Family, community, religion & culture.

★ Economic aspects! — Trade, commerce & industries.

★ Political aspects! — Government & laws.

MCQs

Q1 What is environment?

a) Only living things around us

b) Only non-living things around us

☒ c) Everything that surrounds us, including living and non-living things

d) Only human-made objects

Answer: (c) Everything that surrounds us, including living and non-living things

Explanation: Environment refers to everything that surrounds a living organism. It includes natural components like air, water, plants & animals, as well as human-made components like buildings, roads & vehicles. Both living & non-living things are the part of environment.



Q② Which of the following is a component of the natural environment?

- a) Building
- ☒ b) River
- c) Bridge
- d) Factory

Answer: (b) River

Explanation: The natural environment consists of things created by nature such as rivers, mountains, forests & oceans. Buildings, bridges & factories are human-made components.

Q③ What is lithosphere?

- a) A layer of air surrounding the earth
- b) The domain of water
- c) A zone where land, air and water interact
- ☒ d) The solid crust or outermost layer of the earth

Answer: (d) The solid crust or outermost layer of the earth

Explanation: The lithosphere is the Earth's hard, outermost layer. It includes rocks, soils & landforms like mountains & valleys. It provides space for agriculture, settlements, & natural resources like minerals.

Q④ The hydrosphere includes:—

- a) Only oceans
- b) Only rivers and lakes
- ☒ c) All water bodies including rivers, lakes, seas & oceans
- d) Clouds and air



Answer: (c) All water bodies including rivers, lakes, seas & oceans

Explanation: The hydrosphere refers to the domain of water on Earth. It includes all forms of water bodies such as oceans, lakes, rivers, seas & even underground water.

Q5 The biosphere is best described as:—

- a) The domain of all living organisms
- b) A layer of gases surrounding the Earth
- c) A zone with no life
- d) The solid crust of the Earth

Answer: (a) The domain of all living organisms

Explanation: The biosphere is the zone of life on Earth where living organisms like plants, animals & humans interact with land, water & air. It supports all forms of life.

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DO YOU
KNOW?



World Environment Day is celebrated every year on June 5 to spread awareness about the environment and to encourage actions to protect it.



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