

St. Andrews Scots Sr. Sec. School

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Session: 2024-2025

Class : VII

Subject : Social Science

Topic : Geography

Chapter 1

OUR ENVIRONMENT

1. Multiple Choice Type Questions. (Needs to be done in Book)

(a). _____ environment consists of plants, animals and human beings.

(i) Abiotic

(ii) Chemical

(iii) Human

(iv) **Biotic**

(b). Living beings exist only in _____

(i) atmosphere

(ii) lithosphere

(iii) **biosphere**

(iv) environment

(c). The layer of _____ protects us from many of the harmful ultraviolet rays coming from the Sun.

(i) oxygen

(ii) air

(iii) **ozone**

(iv) carbon dioxide

(d). The World Water Day is celebrated on _____ every year

(i) June 5

(ii) September 23

(iii) **March 22**

(iv) December 10

(e). Human beings greatly impact the environment because we have the ability to _____ the environment to meet our needs.

(i) check

(ii) **modify**

(iii) adapt to

(iv) disturb

2. Fill in the blanks. (Needs to be done in book)

(a) **Fresh** water is used for domestic, agriculture and industrial purpose.

(b) The **Lithosphere** is an irregular surface which extends over continents and ocean beds.

(c) The atmosphere is held around the Earth by its **gravitational force**.

(d) The distinct zones where plant and animal life interact with one another called **ecosystems**.

(e) The study of relationship between living organisms and their surroundings is called ecology.

3. Match the Following. (Needs to be done in Book)

Column A

- (a) Physical environment
- (b) Atmosphere
a living organism and its surroundings
- (c) Hydrosphere
- (d) Ecology
- (e) Environmental degradation

Column B

- (i) Waterbodies
- (ii) Study of the relationship between
- (iii) Disastrous effects
- (iv) Land water and air
- (v) Layer of air

ANS- a- iv, b-v, c-i, d-ii, e-iii

4. State whether the following statements are 'True' or 'False'. (Needs to be done in Book)

- (a) The hard outer layer of the earth is called the inner mantle. **FALSE**
- (b) Mineral wealth is found under the atmosphere. **TRUE**
- (c) Changes in atmosphere cause changes in temperature. **TRUE**
- (d) Biotic organisms are not independent. **FALSE**
- (e) Human's role in the environment is more protective than destructive. **FALSE**

5. Very Short Answer Type Questions.

(a) Define the term 'environment' and name its different components.

Surroundings within which an individual exists is termed as environment.

(b) What is lithosphere?

The hard outermost solid layer of the Earth, which is made up of rocks minerals and a thin layer of soil, is called the lithosphere.

(c) In which sphere does exist?

Biosphere is the sphere in which life exist.

(d) What do you mean by ecology?

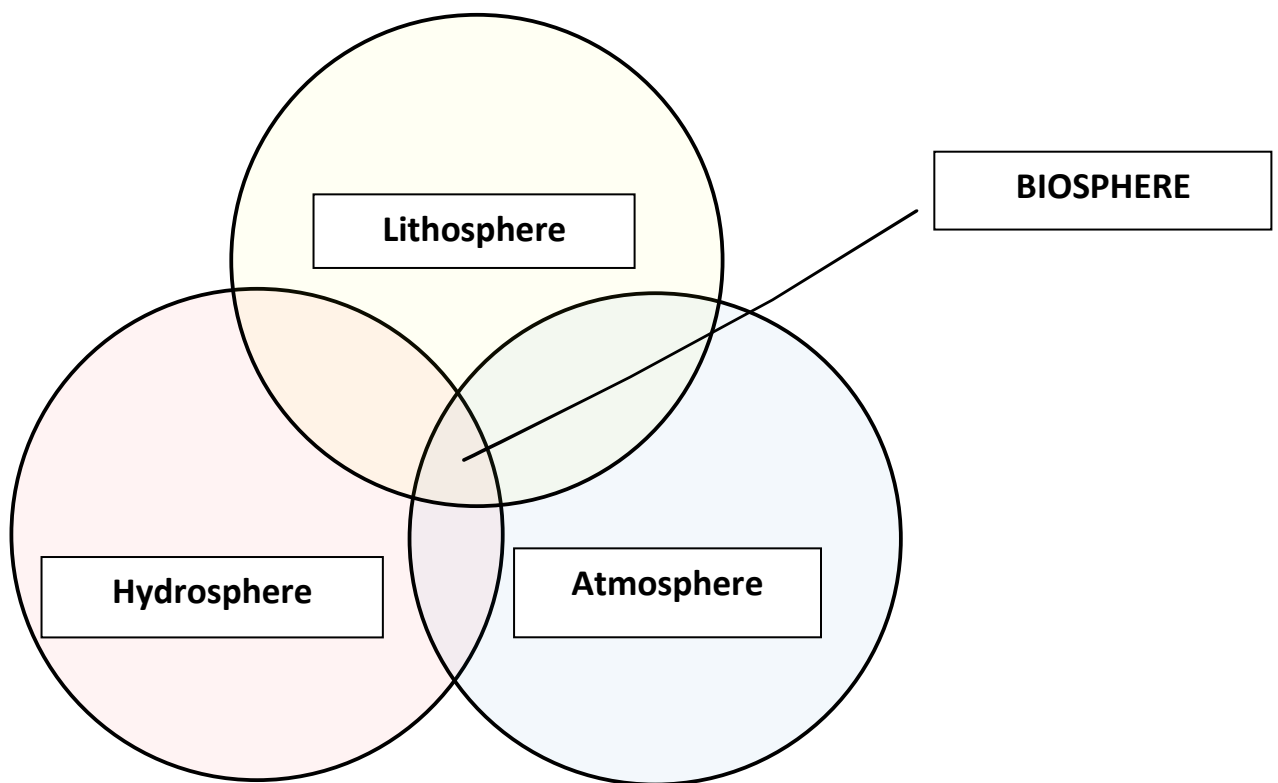
The study of the relationships between living organisms and their surroundings is called ecology.

(e) Why is an ecosystem considered as the central feature of ecology?

An ecosystem is considered as the central feature of ecology because all biotic organisms are interlinked and interdependent.

6. Short Answer Type Questions.

(a) Draw a diagram showing various domains of the Earth.



(b) Why is lithosphere important?

Lithosphere is important because it includes all landforms like mountains, plateaus, plains, etc. It is a source of vegetal and mineral wealth.

(c) Define atmosphere. Why is it important?

The mixture of gases that surrounds the Earth is called atmosphere.

It is important because the air, which is the mixture of various gases is useful to us as it protects us from the harmful ultraviolet rays of the sun.

(d) Why are human beings considered the most important part of the environment?

Human beings are considered the most important part of the environment because they interact

with the environment but also modify it according to their needs. They use the resources available to meet their needs and improve the quality of life. Human beings are responsible for bringing about development in their surroundings.

(e) Differentiate between natural and human environment with suitable examples.

NATURAL ENVIRONMENT	HUMAN ENVIRONMENT
<p>1) The natural environment includes biotic and abiotic components.</p> <p>2) * Biotic environment consists of plants, animals and human beings. * Abiotic environment consists of physical components of environment, namely, air, water and land.</p>	<p>1) Human-made environment consists of activities and creation of human beings.</p> <p>2) It includes buildings, roads, social, economic and political conditions.</p>

7. Long Answer Type Questions.

(a) How is the ocean water beneficial to human beings?

Ocean water is very important for all life forms as it regulates climates, also provides food and minerals and habitat for marine animals. It also helps to link different continents by serving as international water trade routes. Ocean Water can also use to generate electricity which is called tidal energy.

(b) What efforts must be made to protect the environment?

Humans must be sensitive to environmental issues and should learn to protect the environment. They must maintain a balance between natural and human-made environment, and should learn to live in harmony with nature. They must use the resources wisely and should protect and preserve them for tomorrow.

Sustainable development of environment can be attained by finding ways in which judicious utilization and non-exploitation of resources is maintained.

(c) Differentiate between the following:

(i) Ecology and ecosystem

ECOLOGY	ECOSYSTEM
<ol style="list-style-type: none"> 1) The study of the relationships between living organisms and their surroundings is called ecology. 2) There is no broad categorization. 3) It examines the relationships, adaptation & distributions of various species with ecosystems. 	<ol style="list-style-type: none"> 1) The system under which all living organisms interact and develop relations with each other as well as with their physical environment is known as ecosystem. 2) There can be several forms such as marine, forest, agroecosystem. 3) Ecosystem could be small as a pond & as varied as a large ocean.

(ii) Physical and biological environment

PHYSICAL ENVIRONMENT	BIOLOGICAL ENVIRONMENT
<ol style="list-style-type: none"> 1) It consists of non-living elements. 2) Land, water & air form the physical environment. 3) It includes factors like climate, soil & other abiotic elements. 	<ol style="list-style-type: none"> 1) It consists of living organisms & their interactions within a particular ecosystem. 2) Plants & Animals form the biological environment. 3) It includes plants, animals, fungi & microorganisms along with their interactions & relationships within a given habit.

(iii) Atmosphere and hydrosphere

ATMOSPHERE	HYDROSPHERE
<ol style="list-style-type: none"> 1) It is the mixture of gases that surrounds the earth. 2) It includes components such as oxygen, nitrogen, carbon dioxide. 3) It plays a crucial role in regulating temperature & weather conditions. 	<ol style="list-style-type: none"> 1) It comprises all the water on or near the surface of the earth. 2) It includes oceans, seas, lakes, rivers, ground water. 3) It is vital for supporting life & influencing climate.

(d) “The environment gives us life and protection in various ways and maintain balance on its own. Enlist the human activities that cause imbalance in the environment”.

Overpopulation, deforestation, increasing construction activity by exploiting the resources available. Global warming contributes to imbalance in the environment which leads to disaster like floods, famines causing a big loss to human lives & property.