

Class 7 Social Science(Geography) Chapter1 Environment

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Q 1. Answer the following questions.

(i) What is an ecosystem?

Answer: The 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, all linked by the transfer of energy and material is called an ecosystem.

(ii) What do you mean by natural environment?

Answer:

- Environment is our basic life support system. It provides the air we breathe, the water we drink, the food we eat and the land where we live.
- The basic components and organisms that are naturally present in the environment without any human involvement, like the land, water, air, plants and animals comprise the natural environment.

(iii) Which are the major components of the environment?

Answer: Components of the environment include:

1. Natural Components (Air, Water, Land & Living things)
2. Human Made Components (components created by human beings)
3. Human Components (human populations)

(iv) Give four examples of a human-made environment.

Answer: Four examples of the human-made environment are buildings, parks, industries and bridges.

(v) What is lithosphere?

Answer: The solid crust or the hard top layer of the earth is called the lithosphere. It is made up of rocks and minerals and is covered by a thin layer of soil. It is an irregular surface with various landforms like mountains, plateaus, plains, etc.

(vi) Which are the two major components of the biotic environment?

Answer: Plants and animals are the two major components of the biotic environment.

(vii) What is biosphere?

Answer: Biosphere or the living world is the narrow zone of earth where land, water and air interact with each other to support life. The plant and animal kingdom together form the biosphere.

Q 2. Tick the correct Answer.

(i) Which is not a natural ecosystem?

- (a) Desert
- (b) Aquarium
- (c) Forest

Answer: b

(ii) Which is not a component of human environment?

- (a) Land
- (b) Religion
- (c) Community

Answer: a

(iii) Which is a human made environment?

- (a) Mountain
- (b) Sea
- (c) Road

Answer: c

(iv) Which is a threat to environment?

- (a) Growing plant
- (b) Growing population
- (c) Growing crops

Answer: b

Q 3. Match the following:

Answer 3:

(i) Biosphere	(e) narrow zone where the land water and the air interacts
(ii) Atmosphere	(a) blanket of air which surrounds the earth
(iii) Hydrosphere	(b) domain of water
(iv) Environment	(d) our surroundings

Q 4. Give reasons.

(i) Man modifies his environment.

Answer: Man modifies his environment to fulfill his basic needs, as it is the basic life support system.

He builds houses to live in and industries to work in which modifies the environment and also its mineral wealth.

(ii) Plants and animals depend on each other

Answer: Plants and animals are interdependent on each other, for their survival

Extra Questions:

Q1. Distinguish between biotic and abiotic environments.

Answer:

Biotic Environment

- The world of living organisms is called biotic environment.
- Examples: Plants and animals.

Abiotic Environment

- The world of non-living elements is called abiotic environment.
- Example: Land.

Q2. How do human beings modify the environment?

Answer:

Environment provides the basic life support system like air, water, food and land. The man made things like car pollute the air, factories build on land, containers for food and water are the examples of modification of environment.

Q3. Explain the domains of the environment?

Answer:

1. **Lithosphere** is the solid crust or the hard top layer of the earth. It is made up of rocks and minerals and covered by a thin layer of soil. It is an irregular surface with various landforms such as mountains, plateaus, plains, valleys, etc. Landforms are found over the continents and also on the ocean floors.

Lithosphere is the domain that 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 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.

3. **Atmosphere:** The atmosphere 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 a 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 make 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.

