

CBSE Class – VII Social Science
NCERT Solutions
Geography Chapter 01
Environment

Question 1. Answer the following questions.

- (i) What is an ecosystem?**
- (ii) What do you mean by natural environment?**
- (iii) Which are the major components of the environment?**
- (iv) Give four examples of human made environment.**
- (v) What is lithosphere?**
- (vi) Which are the two major components of biotic environment?**
- (vii) What is biosphere?**

Solution:

- (i)** Plants, animals and human beings depend on their immediate surroundings. They are often interdependent. These relations of dependence and interdependence together constitute an ecosystem.
In other words, an ecosystem is the system formed as a result of the interactions of all living organisms with each other, and with the physical and chemical factors of the environment in which they live.
- (ii)** The environment that consists of all objects created by nature is called natural environment. The natural environment comprises land, water, air, plants and animals.
- (iii)** The major components of the environment are natural environment (consists of all objects created by nature), human environment (consists of human beings) and human-made environment (consists of objects created by human beings).
- (iv)** Parks, buildings, roads and industries are some examples of human-made environment.
- (v)** Lithosphere (or the domain of land) is the solid crust or the hard top layer of the earth. It is made up of rocks and minerals, and is covered by a thin layer of soil. It is an irregular surface with various land forms such as mountains, plateaus, plains and valleys.
- (vi)** The two major components of the biotic environment are plants and animals.
- (vii)** Biosphere is the narrow zone of the Earth where land, water and air interact with each other to support life.

Question 2. Tick the correct answer.

(i) Which is not a natural ecosystem?

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

Solution:

- (b) Aquarium

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

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

Solution:

- (a) Land

(iii) Which is a human made environment?

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

Solution:

- (c) Road

(iv) Which is a threat to environment?

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

Solution:

- (b) Growing population

Question 3. Match the following.

- (i) Biosphere (a) blanket of air which surrounds the earth
(ii) Atmosphere (b) domain of water
(iii) Hydrosphere (c) gravitational force of the earth
(iv) Environment (d) our surroundings
(e) narrow zone where land, water and air interact
(f) relation between the organisms and their surroundings

Solution:

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

Question 4. Give reasons.

- (i) Man modifies his environment.**
- (ii) Plants and animals depend on each other.**

Solution:

- (i)** The environment is our basic life support system. To fulfill his needs, man builds homes and factories and modifies the environment and its mineral wealth. For food, shelter and agriculture, he cuts forests and utilizes water. Due to industrial revolution and technological advancement, man has used fossil fuels such as coal and petroleum and has invaded animal habitat for his own development.
- (ii)** Plants and animals are interdependent. Plants consume carbon dioxide and give oxygen to air and prepare food, thus are producers. Animals consume plants and plant products. They also absorb oxygen and release carbon dioxide for plants. The dead and decaying animals act as nutrition to plants. Forests are the natural habitat for wild life.