



Question 1. Answer the following questions briefly.

- (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?

Answer: (i) All plants, animals and human beings depend on their immediate surroundings. They are also interdependent on each other. This relation between the living organisms as well as the relation between the organism and their surroundings form an ecosystem.

(ii) Natural environment consists of land, water, air, plants and animals. Thus, natural environment refers to both biotic (plants and animals) and abiotic (land) conditions that exist on the earth.

(iii) The major components of the environment are—natural (land, air, water, living things), human made (buildings, parks, bridges, roads, industries, monuments, etc.) and human (individual, family, community, religion, educational, economic, etc).

(iv) Four examples of human-made environment—buildings, parks, bridges and roads.

(v) 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 land forms such as mountains, plateaus, plains, valleys, etc.

(vi) Plants and animals are the two major components of biotic environment,

(vii) Biosphere is a narrow zone of the earth where land, water and air interact with each other to support life. Thus, plant and animal kingdom together make biosphere, ie., the living world.

Question 2. Tick the correct answer.

- (i) Which is not a natural ecosystem?
 - (a) Desert
 - (b) Aquarium
 - (c) Forest.
- (ii) Which is not a component of human environment?
 - (a) Land
 - (b) Religion
 - (c) Community.
- (iii) Which is a human made environment?
 - (a) Mountain
 - (b) Sea
 - (c) Road.
- (iv) Which is a threat to environment?
 - (a) Growing plant
 - (b) Growing population
 - (c) Growing crops

Answer: (i)—(b), (ii)—(a), (iii)—(c), (iv)—(b).

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

Answer: (i)—(e), (ii)—(a), (iii)—(b), (iv)—(d).

Question 4. Give reasons:

(a) Man modifies his environment

(b) Plants and animals depend on each other.

Answer: (a) Man modifies his environment to fulfil his needs and make his life comfortable. He also modified his environment to adopt himself to the natural surroundings.

(b) Plants and animals depend on each other for their own sake. Plants release oxygen that animals breathe and absorb carbon dioxide that animals release.

Question 5. Activity

Imagine an ideal environment where you would love to live. Draw the picture of your ideal environment.

Answer: Students are expected to do this activity themselves.

However, a sample is given below:

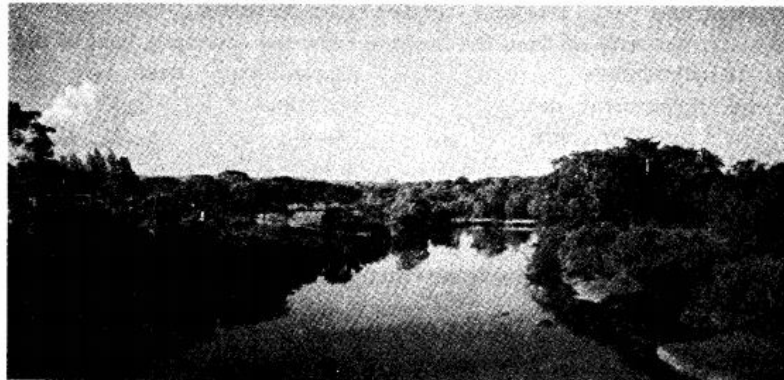


Fig. 1.1. Ideal Environment.

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