



Environment and its Components

A. Choose the Correct Answer:

1. What is the environment?

- a) Only the air we breathe
- b) The surroundings, including living and non-living things
- c) Only plants and animals
- d) Only water bodies

2. Which of the following is a biotic component of the environment?

- a) Soil
- b) Sunlight
- c) Plants
- d) Water

3. What is an example of an abiotic component of the environment?

- a) Animals
- b) Plants
- c) Rocks
- d) Humans

B. Fill in the Blanks:

1. The environment consists of _____ and _____ components.
2. Plants, animals, and humans are examples of _____ components.
3. Soil, water, and air are examples of _____ components.

C. Case Study:

Rahul and his friends went on a nature trip.

- They observed various plants, animals, and birds in the forest.
- They also noticed rocks, water bodies, and soil.
- Their guide explained that the plants, animals, and birds are biotic components, while rocks, water, and soil are abiotic components of the environment.
- They were also told that both biotic and abiotic components interact with each other.

Case Study Questions:

1. Which components of the environment did Rahul and his friends see?



2. What are biotic components? Give an example from the case study.
3. What are abiotic components? Give an example from the case study.
4. How do biotic and abiotic components interact in the environment?

D. Short Answer Questions:

1. What are the two main components of the environment?
2. Give two examples of biotic and abiotic components.
3. Why are sunlight and air considered abiotic components?

E. Long Answer Questions:

1. Explain the biotic and abiotic components of the environment with examples.
2. How do biotic and abiotic components interact with each other? Explain in detail.
3. Why is it important to maintain a balance between biotic and abiotic components in the environment?