

Lesson - 9

Inter dependence in Nature

I Answer the following

1. What are the things that make up the environment of an organism?

Ans The environment includes every thing that surrounds and affects an organism - the air, the soil, the climate, the plants and the animals.

2. Define environment?

Ans The surrounding in which an organism lives is called its environment.

3. Name the things that make up the biotic component of the environment?

Ans The biotic component of the environment is made up of living beings such as plants, animals and microorganisms.

4. Name the things that make up the abiotic component of the



environment?

Ans The abiotic component of the environment is made up of non-living things, such as air, water, soil and light.

5. Mention one way in which animals help plants?

Ans Animals eat fruits and throw away the seeds or pass them out with stool. This helps to disperse seeds.

6. How do decomposers help to maintain the balance of minerals in the soil?

Ans When plants and animals die, microorganisms decompose them and return the minerals to the soil.

7. What is a food chain? Give one example.

Ans The linking together of plants and animals by the process of eating and being eaten is called a food chain.

eg: Plants → grasshoppers → mice → snake → eagle



8 What are the two processes that help to maintain the balance of gas in the air?

Ans Respiration and photosynthesis are the two processes that help to maintain the balance of gas in the air.

9. What is the water cycle? How does it help?

Ans The continual movement of water from the earth to the air and back is called the water cycle. This helps in maintaining the balance of water which is needed for the survival of plants and animals.

10 How does living things depend on non-living things.

Ans Living beings depend on the following non-living things.

- (i) All living beings need air.
- (ii) No organism can live without water.
- (iii) Light is another very important factor for life.
- (iv) All organisms need a certain amount of warmth for survival.
- (v) Plants absorb water and minerals from the soil.