

● **Nature's harmony** means how all living and non-living things in the environment work together peacefully. It helps maintain balance in ecosystems.

● Components of Nature

- **Biotic components** – Living things (plants, animals, humans, bacteria, fungi)
- **Abiotic components** – Non-living things (air, water, sunlight, soil)

Both are important for **survival and interact with each other**.

● Food Chain & Food Web

- **Food Chain:** Shows how energy passes from one organism to another
Plant → Grasshopper → Frog → Snake → Eagle
- **Food Web:** Many food chains linked together and makes the ecosystem strong and stable.

● Balance in Nature

- Producers (like plants) make food using sunlight.
- Consumers (like animals) eat plants or other animals.
- Decomposers (like fungi, bacteria) break down dead things into nutrients.

All three help keep nature in balance.

● Importance of Decomposers

- They clean the environment
- Return nutrients to the soil
- Help plants grow again

● Interdependence in Nature

All organisms depend on each other:

- Animals depend on plants for oxygen and food.
- Plants depend on animals for carbon dioxide and seed dispersal.
- Decomposers help both plants and animals by breaking down waste.

● What Destroys Harmony?

- Pollution (air, water, land)
- Deforestation
- Hunting and poaching

- Climate change

How to Protect Nature's Harmony

- Plant more trees
- Recycle and reuse
- Don't waste water or electricity
- Avoid plastic
- Protect wildlife

● Key Terms

Term	Meaning
Ecosystem	A system where living and non-living things work together
Balance	A stable condition where all parts work smoothly
Decomposer	Organism that breaks down dead material
Interdependence	Depending on each other