

Science Notes: Ecosystem and Food Chain

An ecosystem is a community of living organisms interacting with non-living components of their environment.

Components:

- Biotic: plants, animals, microorganisms
- Abiotic: sunlight, water, air, minerals

A food chain shows the flow of energy from one organism to another:

Sun → Producer (plants) → Herbivore → Carnivore → Decomposer

Types:

- Grazing food chain
- Detritus food chain

Ecosystem balance is vital for environmental sustainability.