

This is the **Foundation Separate** version — Higher Tier content has been removed.

Ecosystems are complex webs of interactions between organisms and their physical environment.

- Population: all of one species in an area. Community: all species in an area. Ecosystem: community + abiotic environment
- Abiotic factors: temperature, light, pH, water, minerals. Biotic: food, predators, competitors, disease
- Predator-prey cycles: oscillating populations linked by feeding relationship
- Food chain: energy flows from producers → consumers. ~10% transfers at each step

Key Terms

Ecosystem	Community of organisms plus their non-living environment
Abiotic	Non-living physical/chemical factor affecting organisms

■ **Exam Tip:** Know: population vs community vs ecosystem. These are 1-mark definitions often asked in exams.