

5. Wildlife and Biodiversity

Introduction

Biodiversity refers to the variety of life on Earth – from tiny microorganisms to giant whales. It ensures the stability of ecosystems, supports food chains, and contributes to the balance of natural systems that sustain human life.

Types of Wildlife

Wildlife includes mammals, birds, reptiles, amphibians, insects, and aquatic life. Every species has a unique role – bees pollinate crops, wolves control prey populations, and birds spread seeds.

Threats to Biodiversity

Biodiversity is under serious threat due to:

Habitat loss from deforestation and urban development

Pollution of air, water, and soil

Climate change, shifting weather patterns and temperatures

Illegal hunting and wildlife trade, endangering species like rhinos and tigers

Conservation Efforts

Protected Areas: National parks and reserves safeguard habitats

Wildlife Corridors: Help animals migrate safely

Breeding Programs: Bring back species from the brink of extinction

Global Cooperation: Organizations like WWF and IUCN push for international conservation laws

Let me know if you'd like these compiled into a single downloadable file or formatted in any specific way (e.g., with illustrations or custom design).