

AP Environmental Science Cheat Sheet

[Practice AP Environmental Science](#) 

Unit 1: Ecosystems

- **Ecological Relationships**
 - **Predator–Prey:** One hunts another.
 - **Mutualism:** Both benefit.
 - **Commensalism:** One benefits, other unaffected.
 - **Parasitism:** One benefits, one harmed.
 - **Competition:** Compete for resources.
- **Biomes**
 - **Terrestrial:** Tundra, Taiga, Temperate Forests, Tropical Rainforests, Grasslands, Savanna, Desert.
 - **Aquatic:** Coral Reefs, Estuaries, Ponds, Lakes, Rivers, Oceans.
- **Cycles**
 - **Carbon Cycle:** Photosynthesis, respiration.
 - **Nitrogen Cycle:** Fixation, nitrification, denitrification.
 - **Phosphorus Cycle:** Rocks, soil.
 - **Hydrologic Cycle:** Precipitation, evaporation.
- **Productivity & Trophic Levels**
 - **GPP:** Total energy captured.
 - **NPP:** Energy after plant use.
 - **Trophic Levels:** Producers, Consumers, Decomposers.
 - **10% Rule:** Energy transfer efficiency.
- **Food Web**
 - Flow of energy and nutrients.

Additional Notes:

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