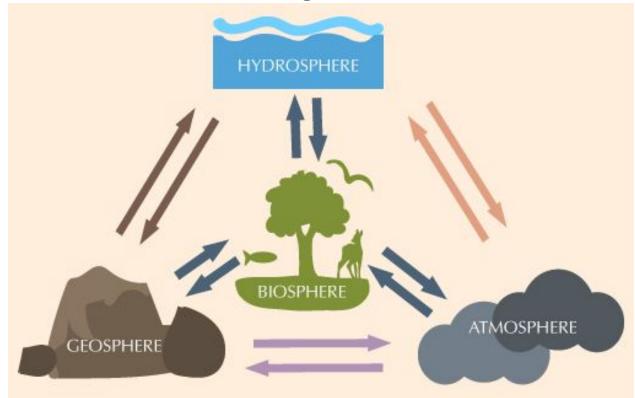
Chemical Cycles Carbon, Oxygen, Hydrologic, & Nitrogen Ms. Larsh

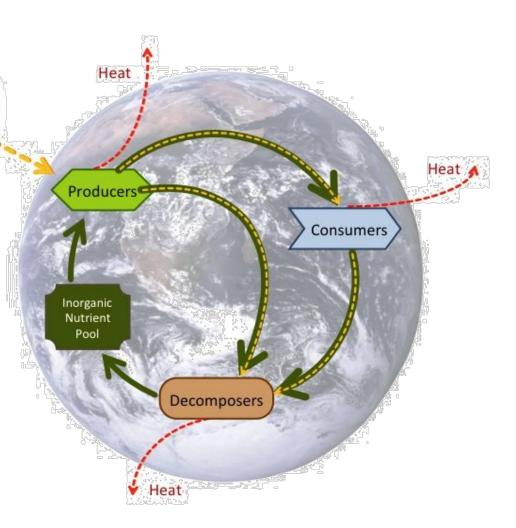
What are Earth's Systems?

Earth's Systems



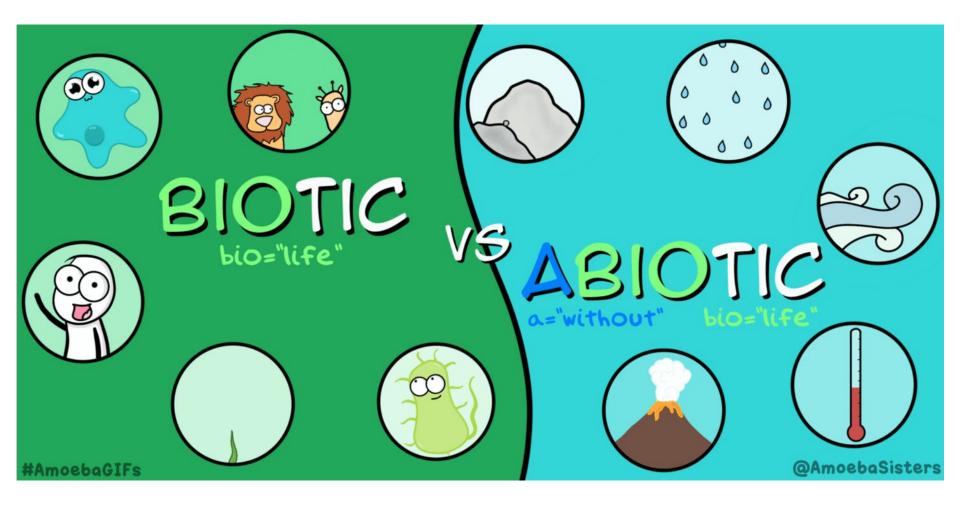


The Sun is the Ultimate Source of Energy for Life on Earth

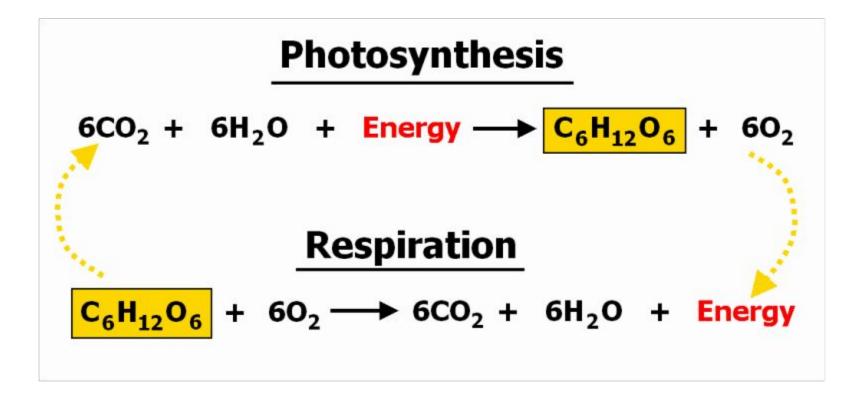


What is Chemical Cycling?

nutrients move through the ecosystem in biogeochemical cycles. A biogeochemical cycle is a circuit/pathway by which a chemical element moves through the biotic and the abiotic factors of an ecosystem.

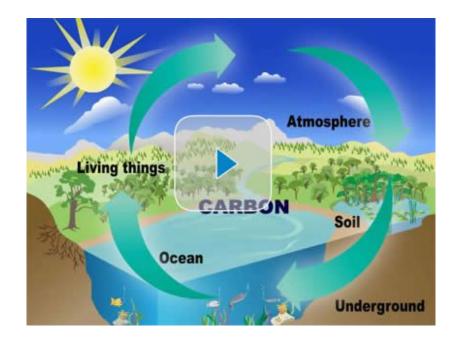




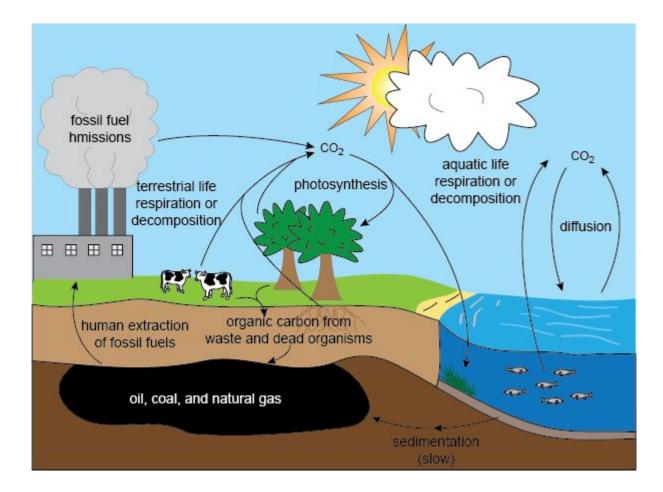


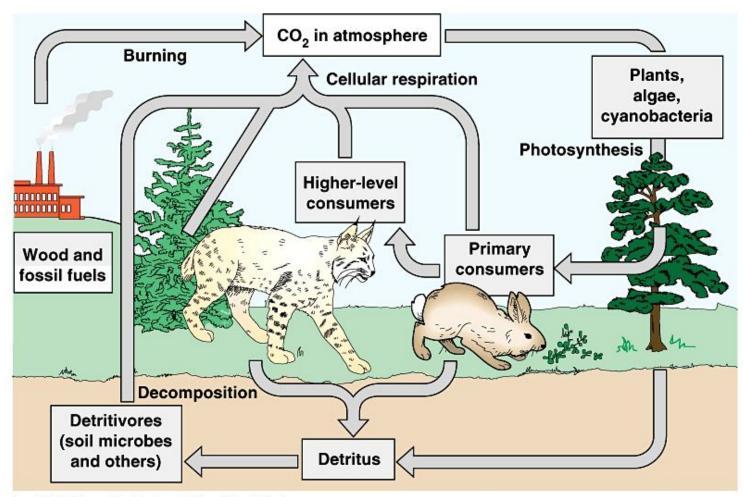
The Carbon Cycle

the series of processes by which carbon compounds are interconverted in the environment, involving the incorporation of carbon dioxide into living tissue by photosynthesis and its return to the atmosphere through respiration, the decay of dead organisms, and the burning of fossil fuels



https://archive.epa.gov/climatechange/kids/basics/today/carbon-dioxide.html

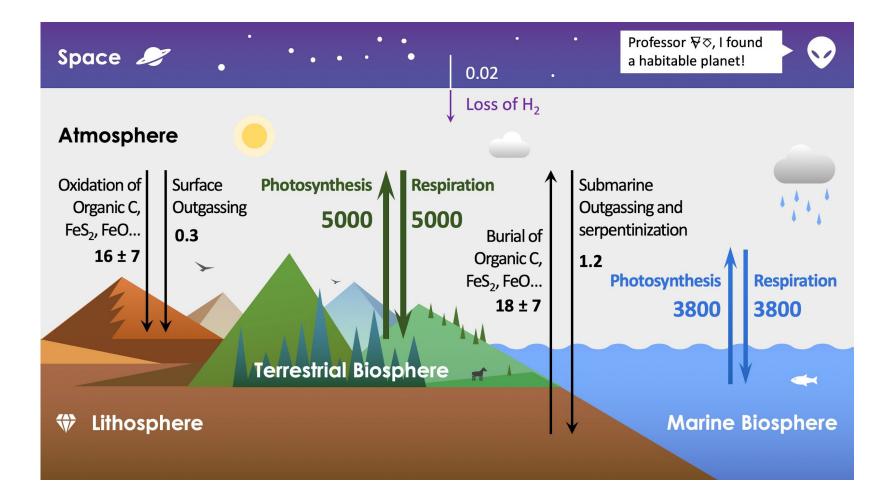




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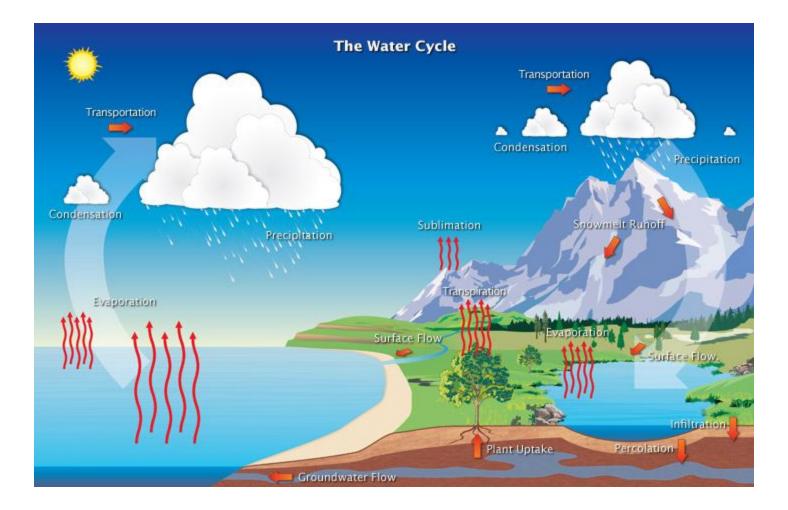
The Oxygen Cycle

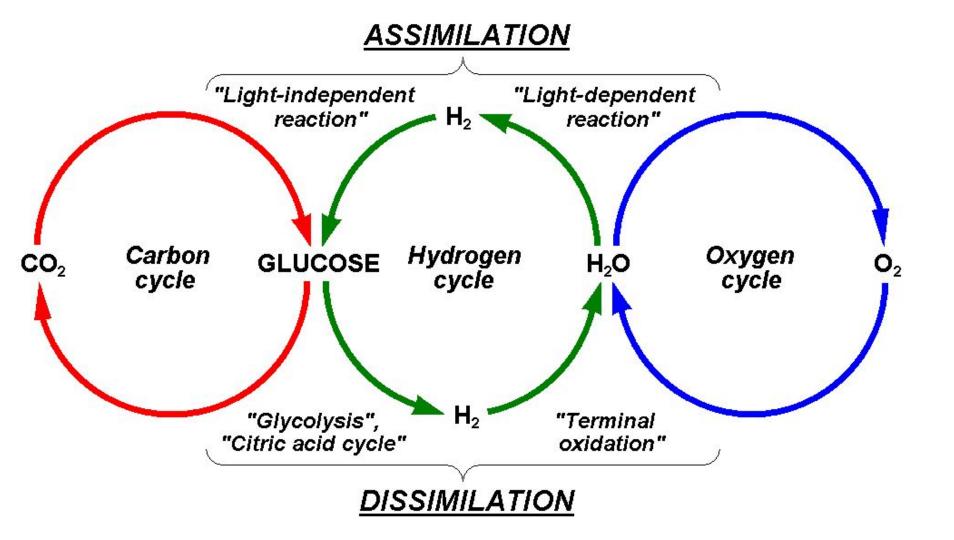
the series of processes by which oxygen compounds are interconverted in the environment, involving the incorporation of oxygen into living tissue by respiration and its return to the atmosphere through photosynthesis



The Hydrologic Cycle

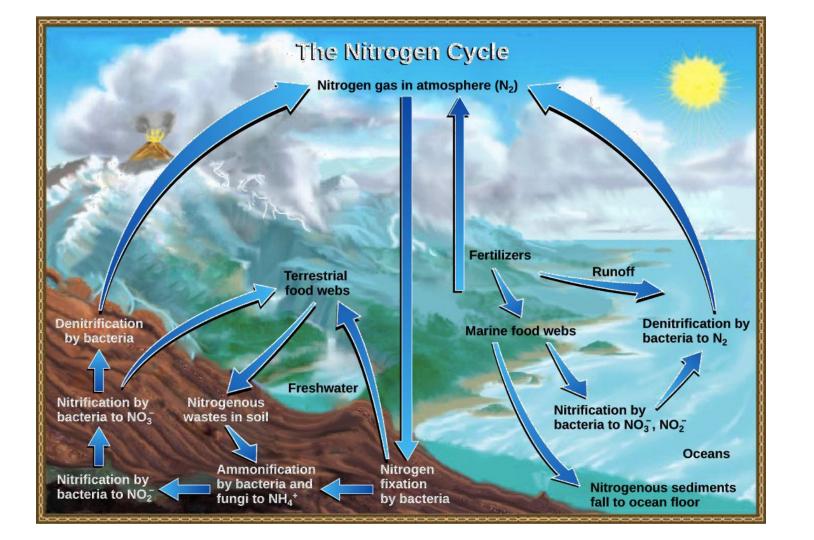
the water cycle, also known as the hydrologic cycle or the hydrological cycle, describes the continuous movement of water on, above and below the surface of the Earth

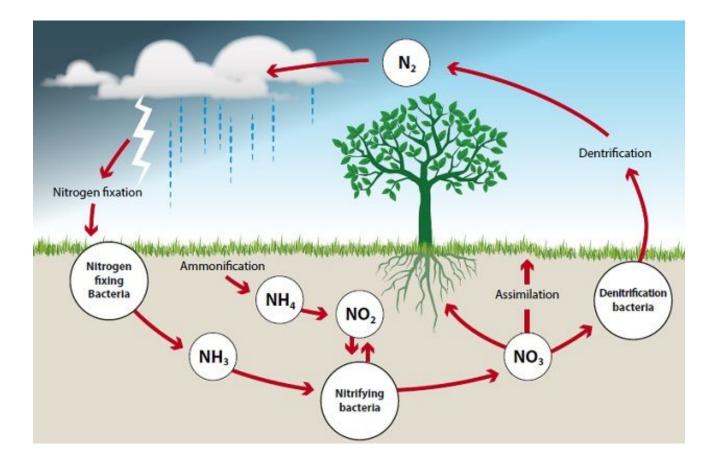


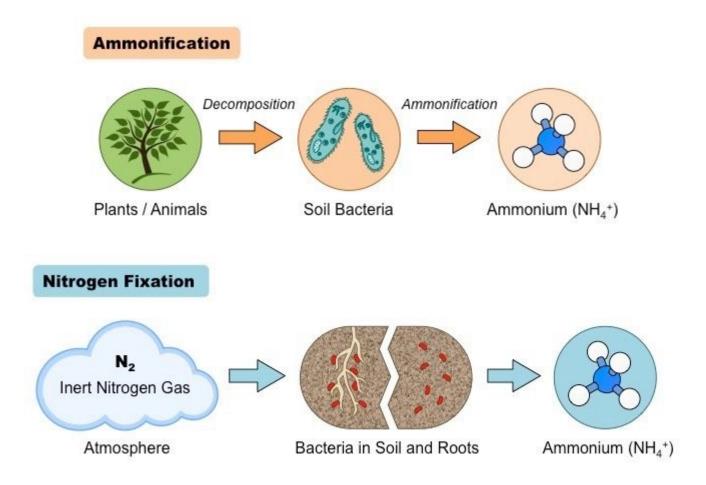


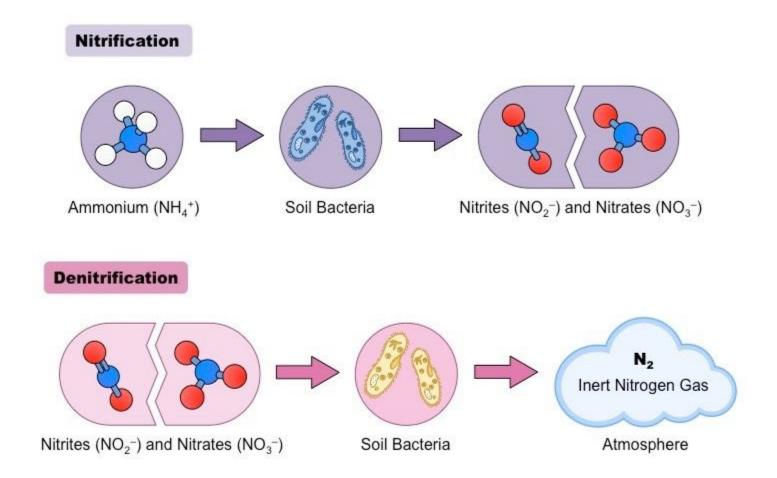
The Nitrogen Cycle

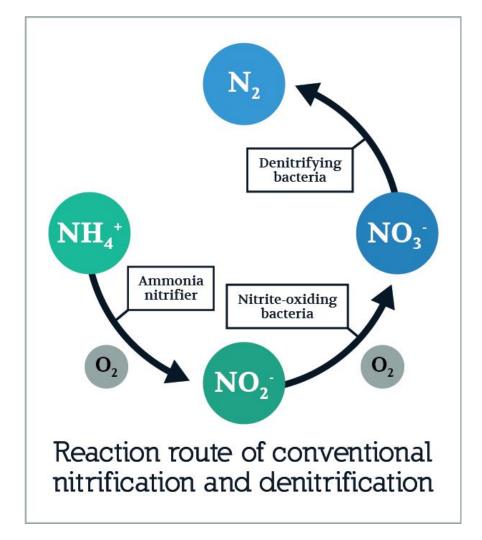
The nitrogen cycle is the biogeochemical cycle by which nitrogen is converted into multiple chemical forms as it circulates among atmosphere, terrestrial, and marine ecosystems. The conversion of nitrogen can be carried out through both biological and physical processes











Key Terms

- Hydrosphere
- Atmosphere
- Biosphere
- Lithosphere
- Cryosphere
- Producers
- Consumers
- Decomposers
- Inorganic
- Organic
- Biogeochemical
- Biotic
- Abiotic
- Photosynthesis

- Diffusion
- Sedimentation
- Detritus
- Detritivores
- Oxidation
- Outgassing
- Condensation
- Evaporation
- Precipitation
- Transpiration
- Sublimation
- Infiltration
- Percolation
- Denitrification

- Nitrification
- Ammonification
- Nitrogen Fixation
- Assimilation
- Respiration
- Cellular Respiration
- Glucose