

Biogeochemical Cycles

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- Bio
- Geo
- Chemical

Nutrients

Macro and micro nutrients

Chemical deposition

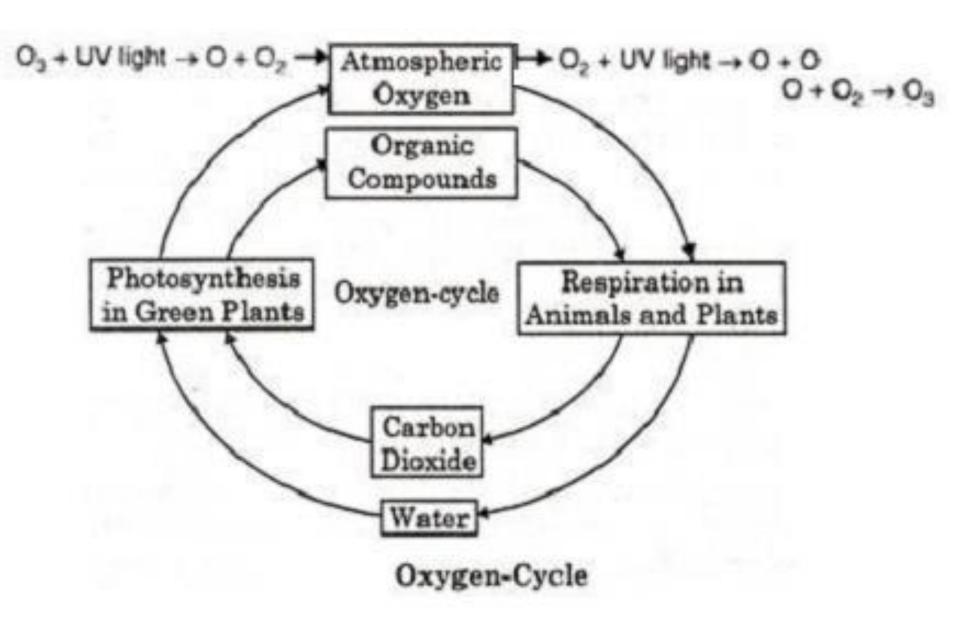
Reservoir and cycling pool

Types of cycles

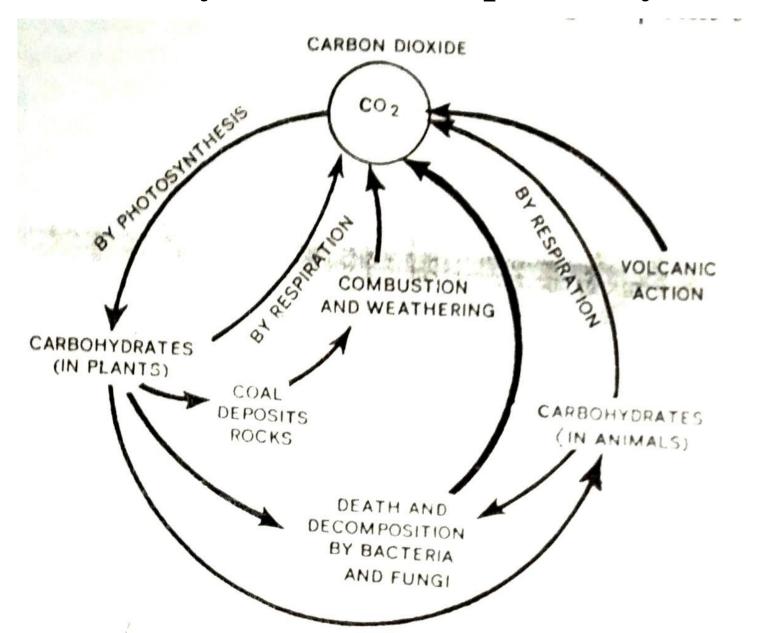
Sedimentary and Gaseous type

Depending on utilization or loss of the nutrients

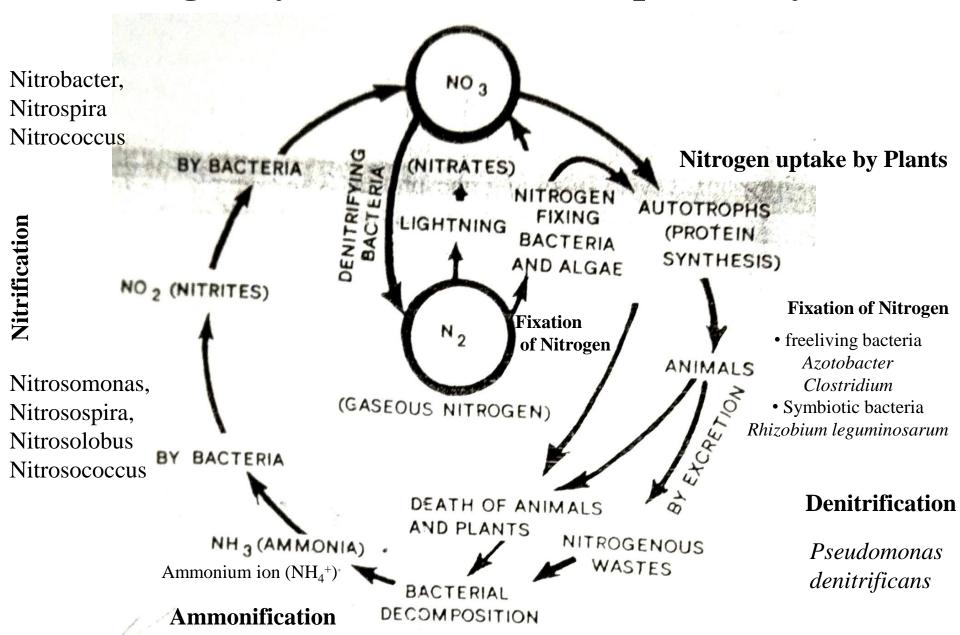
- i) perfect cycle (oxygen and carbon cycle)
- ii) less perfect cycle (nitrogen)- possible loss of some amount of nitrogen in the form of nitrates.
- iii) imperfect cycle (sulphur and phosphorus)- good amount of sulphur and phosphorus is lost into deeper sediments of the sea.



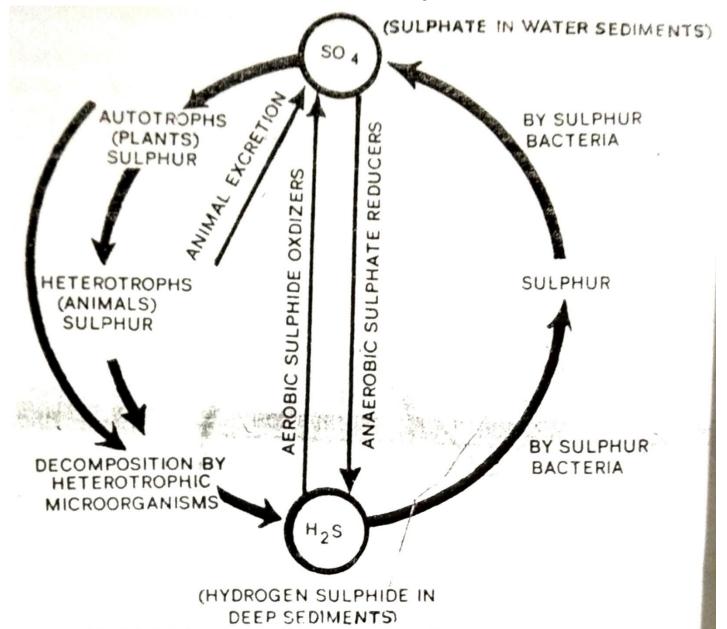
Carbon cycle – Gaseous (perfect cycle)



Nitrogen cycle – Gaseous (less perfect cycle)



Sulphur cycle – Sedimentary (imperfect cycle)



Phosphorus cycle – Sedimentary (imperfect cycle)

