

SCIENCE

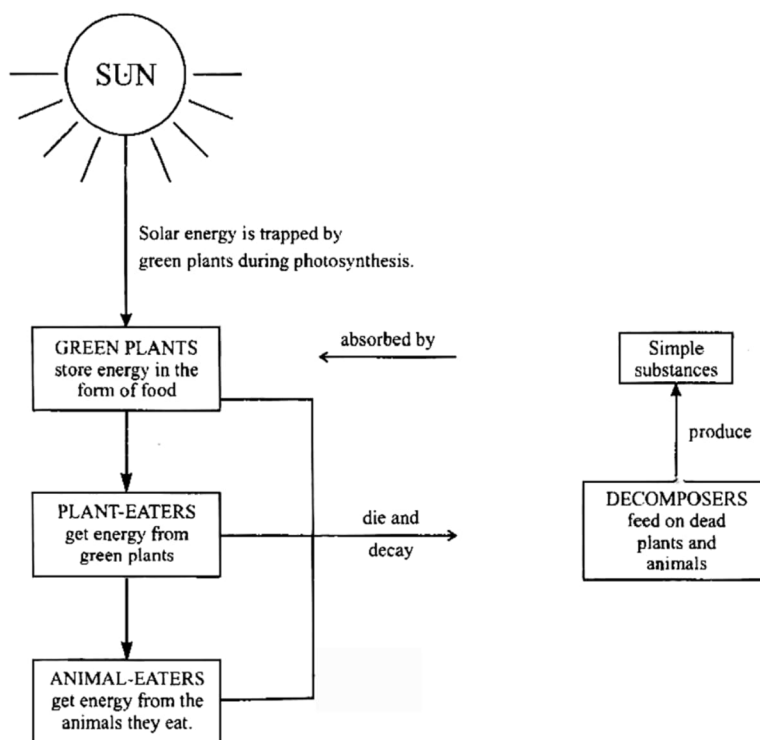
BIOGEOCHEMICAL CYCLE (WATER CYCLE)

BIOGEOCHEMICAL CYCLE

(BIO-LIVING, GEO-ROCK, CHEMICAL-ELEMENT)

The cyclic flow of nutrients between non-living environment (soil, air and water) and the living organisms is called biogeochemical cycle.

They are called biogeochemicals as they are obtained from earth. Nutrients are generally derived from the abiotic surroundings to which they finally return by way of decomposition of dead organisms or waste matter. This maintains a constant recycling of nutrients. The nutrients are never lost from the ecosystems.



In biosphere the nutrients exist in two states:

- Reservoir pool,: It is the pool/storehouse of nutrients from which the nutrients are slowly transferred to cycling pool.

- (ii) Cycling pool: It is the pool of nutrients which is repeatedly exchanged between the biotic and abiotic components of biosphere.

WATER CYCLE

It is the whole process in which water evaporates and falls on the land as rain and later flows back into the sea via rivers. But all the water that falls on the land does not immediately flow back into the sea. Some water moves inside the soil and reaches the underground water. Some of the underground water comes up to surface through springs or wells. Plants also release water to the atmosphere through transpiration. Water is also released into the atmosphere from soil, rivers and oceans by evaporation.

