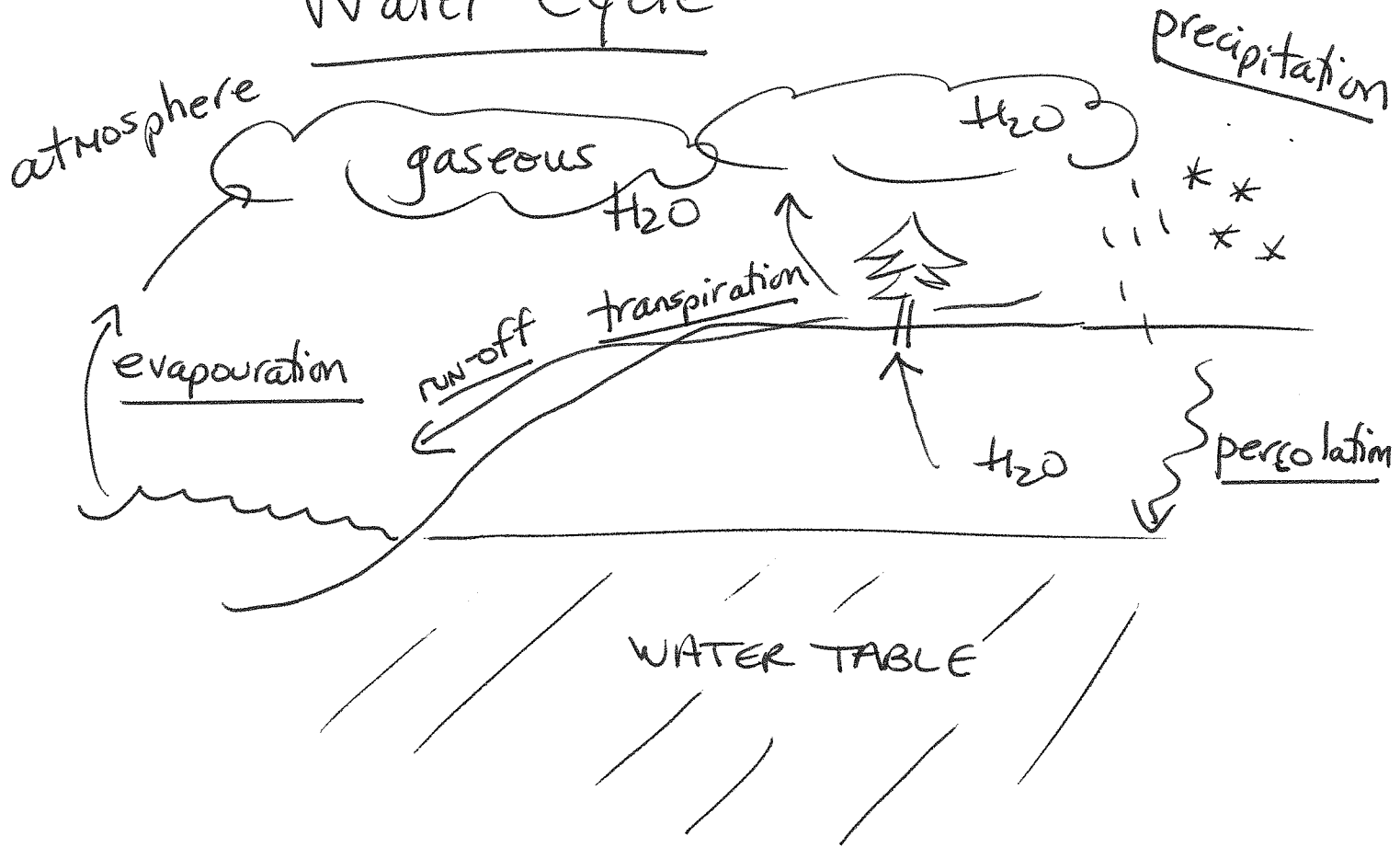


Water Cycle



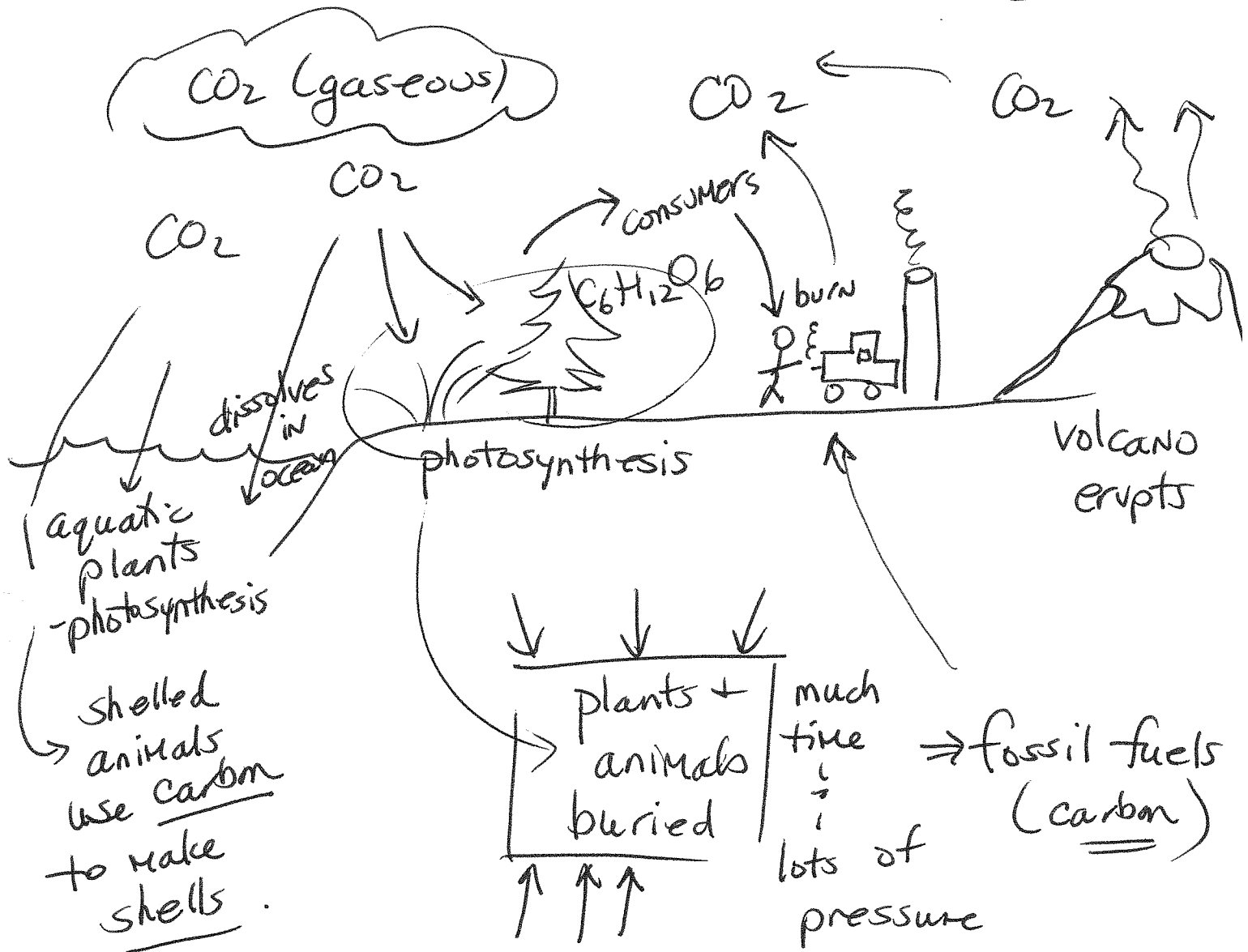
percolation \Rightarrow water slowly trickles down to water table.

transpiration \Rightarrow water released from plant leaves

run-off \Rightarrow water that runs along ground & into a water body.

Carbon Cycle → C

⇒ Mostly cycles as CO_2



* Carbon in plants/animals in complex molecules
 $\text{C}_6\text{H}_{12}\text{O}_6$ is one example.

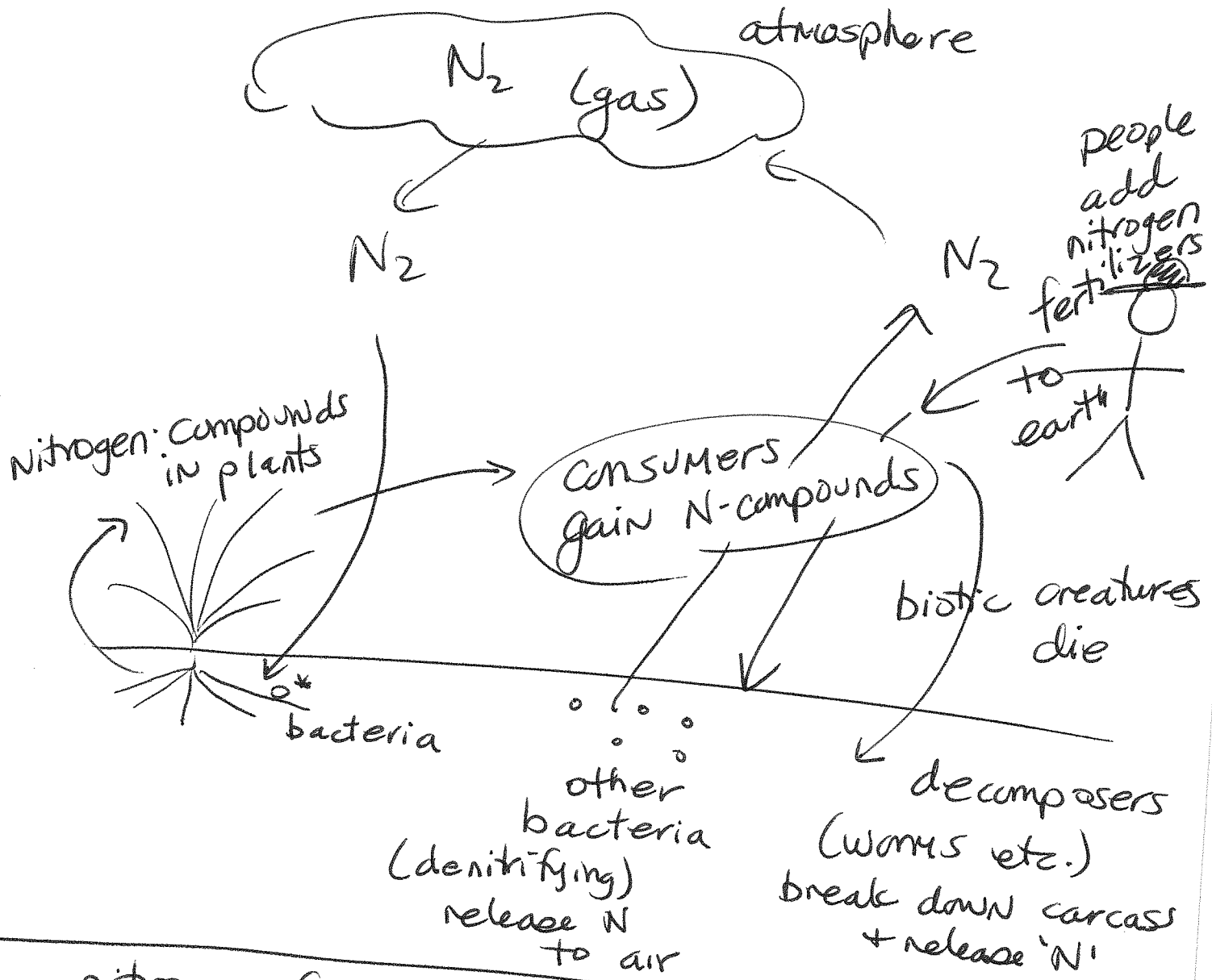
* When an organism consumes another, the carbon moves to consumer.

* CO_2 in atmosphere contributes to global warming (☹)

* Carbon sinks take CO_2 out of atmosphere → forests
→ ocean life

Nitrogen Cycle - N

N_2 gas is abundant in atmosphere.
'N' in organism, soil etc often as NH_3 , NO_2 , NO_3 .



nitrogen-fixing bacteria - take N_2 out of air + make into nitrogen compounds plants can use. These bacteria found on roots *