

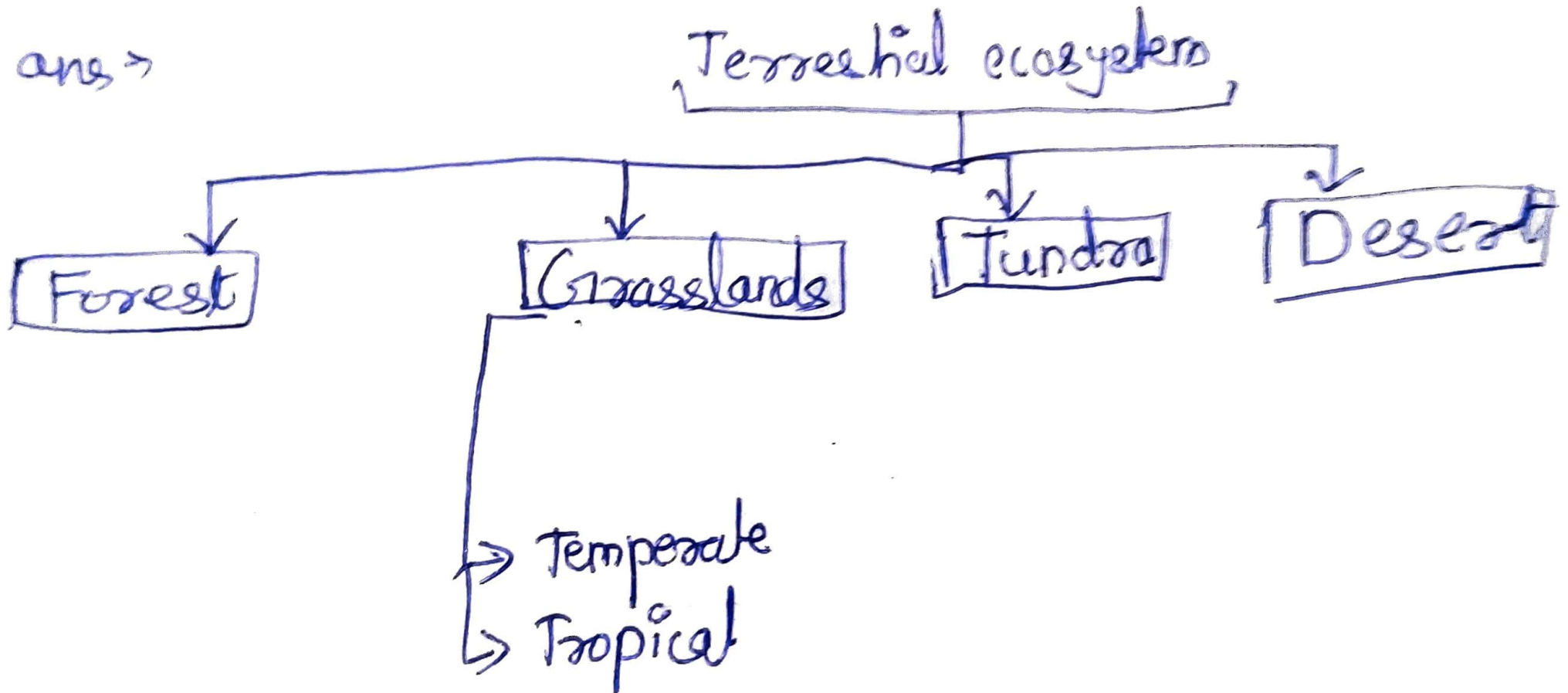
Q What is an ecosystem? How it balances the nature?

ans → An ecosystem is a self contained area composed of all the different organisms living in it, interacting with each other as well as interacting with physical conditions.

→ Ecosystem has processes which sustain ecological balance; The cyclic flow of materials from abiotic environment. Upholding the equilibrium of interaction inside food webs.

Q Draw the Diagram of Terrestrial ecosystem.

ans →



③ Trophic levels of a food chain goes on decreasing from bottom to top. Why?

ans → Trophic levels are of 5 levels, and in an trophic level pyramid, the energy goes on decreasing as at each trophic stage, the same amount of energy (90%) is lost as heat and 10% is converted into biomass. The predators can only even 0.01% of the primary energy by the time it reaches the top trophic stage. Therefore food chains are restricted to 6 levels because there is too little energy available at the highest trophic stage.