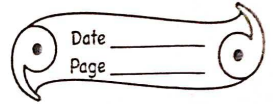


08/08/21
HW

CH-4

ECOSYSTEM

HOME ASSIGNMENT



① What is an ecosystem?

Ans An ecosystem is a community of living organisms interacting with each other and their non-living environment. (in a balanced manner).

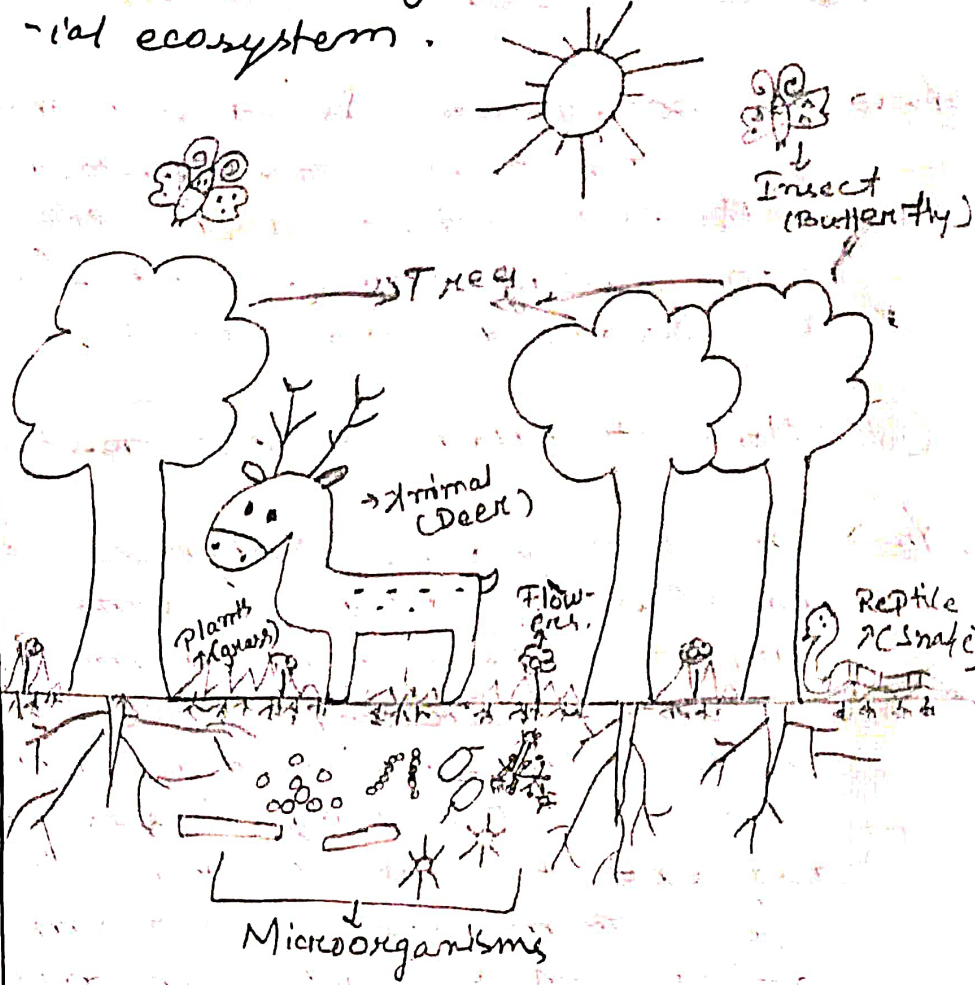
② How it balances the nature?

Ans In ecosystem, a balance is maintained. All organisms in an ecosystem like animals, plants, microorganisms etc. depend on each other and the surrounding. Ecosystem also exhibit the energy transfer from one organism to other in a cyclic manner. Thus, it balances the nature.

②

Draw the diagram of a terrestrial ecosystem.

Ans



THE DIAGRAM OF THE TERRESTRIAL ECOSYSTEM
→ TROPICAL RAIN FOREST

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

Ans → Trophic levels of a food chain are based on energy requirement and transfer of energy from one organism to other. Ex → if a deer eats grass only 10% of the nutrients from grass is transferred to the deer and so on. So, the energy that is available from one level to the next has to decrease. The lower part can contain most energy, nutrient & highest part has less nutrient. So, Trophic levels of a food chain goes on decreasing from bottom to top.