Ecosystems Science 10 Notes Biosphere = the living part of the earth,
• An <u>ecosystems</u> is made up of many parts.
 <u>biofic</u> factors include: trees, plants where ecology happens <u>abiofic</u> factors include: non living things
 Ecosystems can take up <u>whole continents</u> of land, or can be the <u>size of a prod</u>et. Within ecosystems are habitats. A <u>habitat</u> is where an organism lives, and finds food.
Abiotic Interactions in Ecosystems
Although we think about ecosystems as places where living things (biotic factors) live, there are many abiotic (non-living) factors that are very important
Abiotic components allow the biotic components to survive.
 Oxygen : produced by green plants and certain micro-rganisms, used by animals and most other micro-organisms.
• water : necessary for all life.
• <u>outvients</u> enter the food chain with plants, are very important for growth.
 <u>light</u>: is required for photosynthesis, (process in plants that converts and stores the Sun's energy into starches and carbohydrates.)
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Biotic Interactions in Ecosystems
Organisms in an ecosystem do not live in isolation. They are constantly interacting with their own and other species.
• <u>Comunity</u> = all the organisms that interact within an ecosystem.
 <u>opulation</u> = all the members of a certain species within an ecosystem.
 <u>species</u> = all of the organisms that have the same structure, and can reproduce with each other.

