

Plant system:

Plant growth: Plant growth could be defined as the increasing of plant volume and/or mass with or without formation of new structures such as organs, tissues, cells or cell organelles. Growth is usually associated with development (cell and tissue specialization) and reproduction (production of new individuals).

Nutrition: There are two modes of nutrition: Autotrophic – Plants exhibit autotrophic nutrition and are called primary producers. Plants synthesis their food by using light, carbon dioxide and water. **Heterotrophic** – Both animals and human beings are called heterotrophs, as they depend on plants for their food.

Photosynthesis: Photosynthesis is a process by which phototrophs convert light energy into chemical energy, which is later used to fuel cellular activities. The chemical energy is stored in the form of sugars, which are created from water and carbon dioxide.

Nitrogen fixation: Nitrogen Fixation is a biological process in which the nitrogen gas is converted into a usable form for plants and other microbes. In this process, nitrogen gas present in the atmosphere is converted into ammonia and other related nitrogenous compounds

