

Photosynthesis is the process by which light energy is used to convert carbon dioxide and water into glucose and oxygen. The process involves enzymes to speed up the reaction and in the presence of light, the reaction requires chlorophyll, which is an important molecule in the photosynthesis process. During photosynthesis, the energy from the light is captured and converted to the chemical energy contained in the bonds between the carbon dioxide and water molecules. The glucose and oxygen produced in the reaction are then used to provide energy to the plant.