

Photosynthesis

Picture Vocabulary

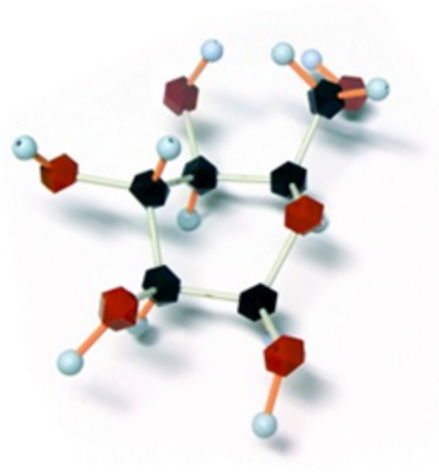
7.5A Photosynthesis
Matter and Energy

Radiant Energy



Energy from the sun that reaches earth as visible light, and ultraviolet and infrared (heat) radiation.

Chemical Energy



A model of a single molecule of glucose that is used by organisms for energy to carry out functions like regulating body temperature and muscle movement

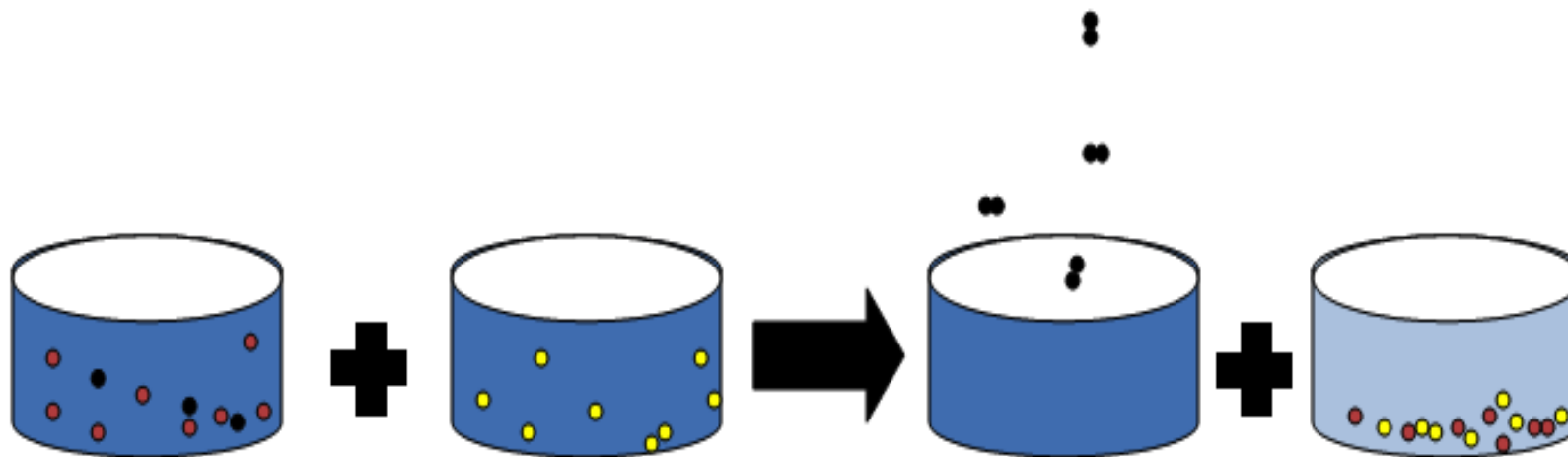
Energy stored in chemical bonds and released through chemical reactions.

Photosynthesis



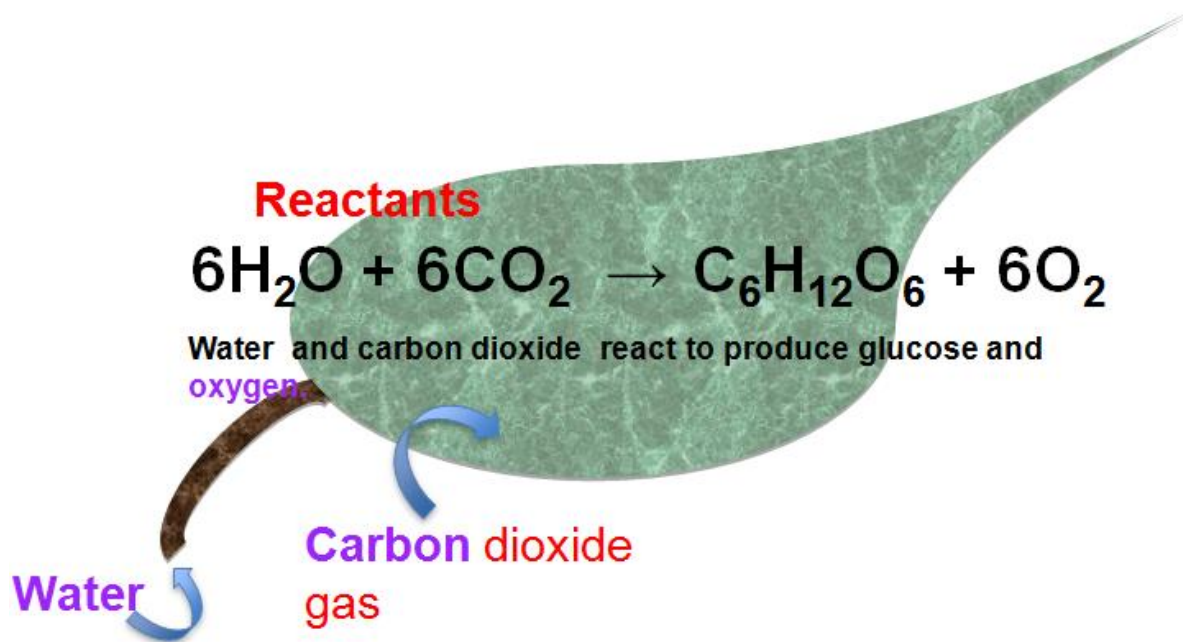
A chemical reaction during which plants convert radiant energy from the Sun to chemical energy; the reaction converts carbon dioxide and water into sugar (glucose).

Chemical Reaction



A process by which two or more chemical substances interact and are chemically changed, producing different chemical substances.

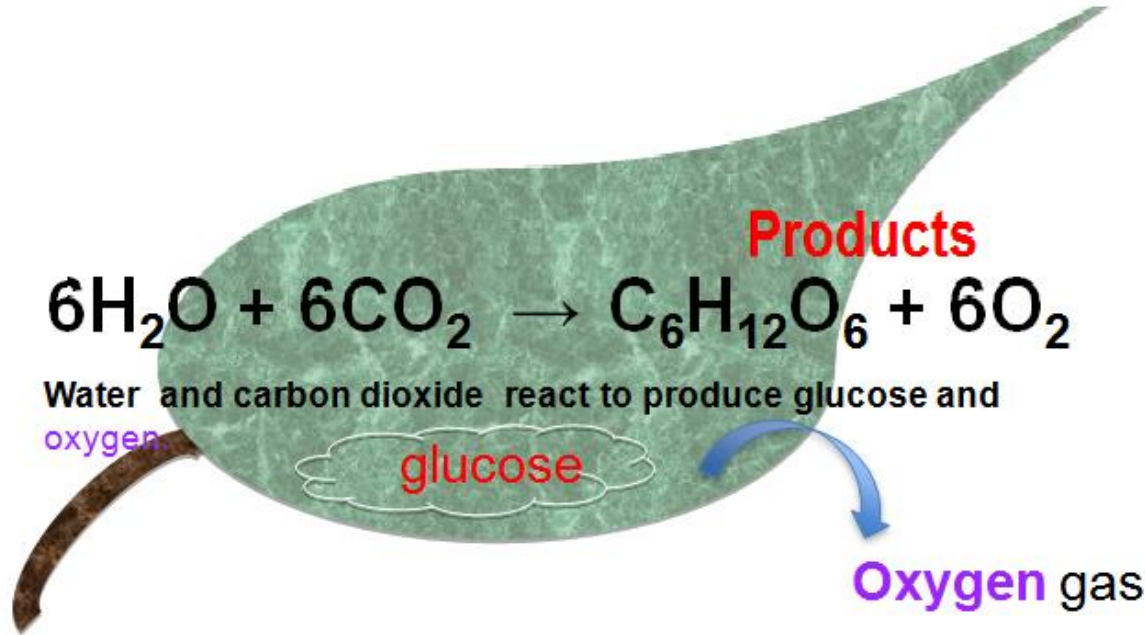
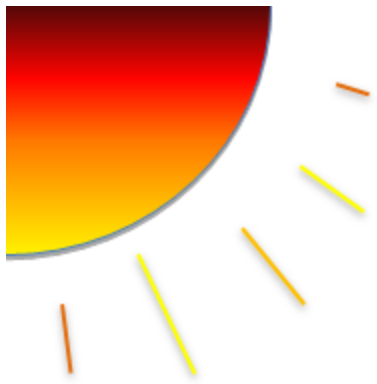
Reactants



A substance that takes part in and undergoes change during a reaction.

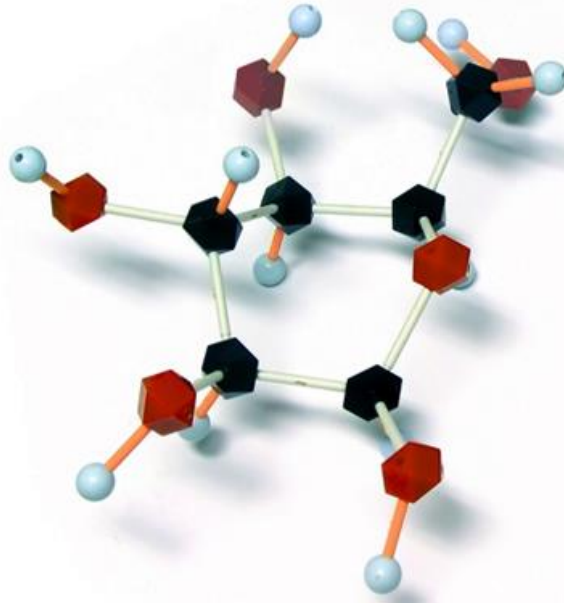


Products



A substance produced during a chemical reaction.

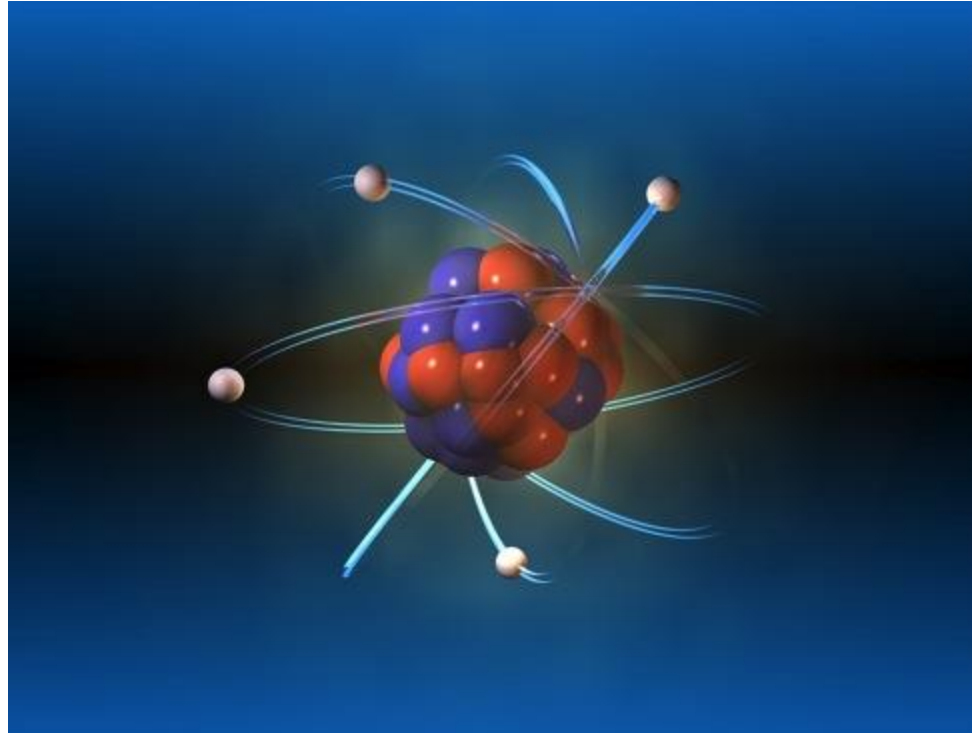
Glucose



A model of a
single glucose
molecule

Simple carbohydrates; produced by photosynthesis and used to store energy and build structural molecules.

Atom

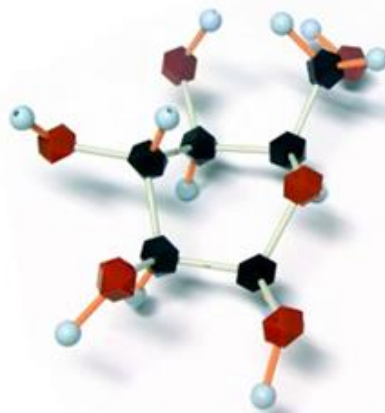


The smallest particle of an element, made of electrons, protons, and neutrons.

Molecule



A model of a single water **molecule**



A model of a single glucose **molecule**



A single molecule showing the element **carbon**

The simplest unit of a chemical compound that can exist, formed when two or more atoms join together chemically.