

Class-10th

Chapter 1 (Chemical Reactions & Equation)

Topic: Chemical Reactions in Everyday Life

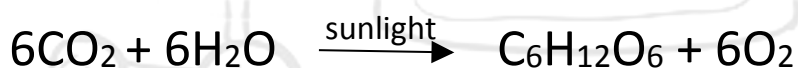
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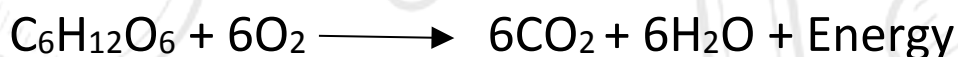
Chemical Reaction in daily life:-

Chemistry is an important part of everyday life. We can find chemistry in each aspect around us. There are chemical reactions in cooking, digestion, breathing, cleansing, medicines, life processing etc. Even our emotions are also controlled by chemical reactions. Let us discuss some common examples of chemical reactions in our daily life.

Photosynthesis- Photosynthesis is one of the most important chemical reactions in our everyday life. In this reaction plants convert carbon dioxide and water into food.



Respiration- Respiration is opposite of photosynthesis. Food is used to obtain energy with the help of oxygen and carbon dioxide is released.



Combustion- Combustion involves the combination of fuel with oxygen to produce energy. e.g. combustion of propane-



Corrosion- When a metal is attacked by substances in environment like oxygen, moisture, acids etc., it is said to corrode and the process is called corrosion. Rusting of iron, black coating on silver and green coating on copper are common examples of

corrosion.

Rancidity- When fat and oil containing food materials left for a long time, Due to oxidation of fat/oil they become rancid and their smell and taste changes. To prevent this usually antioxidant are added. Air tight packing and flushing with nitrogen also helps to prevent oxidation.

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