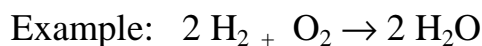


Matter cannot be created or destroyed-That's why we must balance chemical reactions

The Good News-There are only five main types of chemical reactions

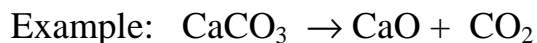
1. Synthesis

A type of reaction in which an element or compound combines with another element or compound to form a new compound



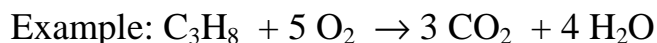
2. Decomposition

A type of reaction in which a compound breaks down into two or more elements or compounds



3. Combustion

A type of reaction in which a hydrocarbon reacts with oxygen to form carbon dioxide and water



4. Single displacement

A type of reaction in which a compound and an element react to form a new element and a new compound



5. Double displacement

A type of reaction in which two compounds react to form two different compounds.



