

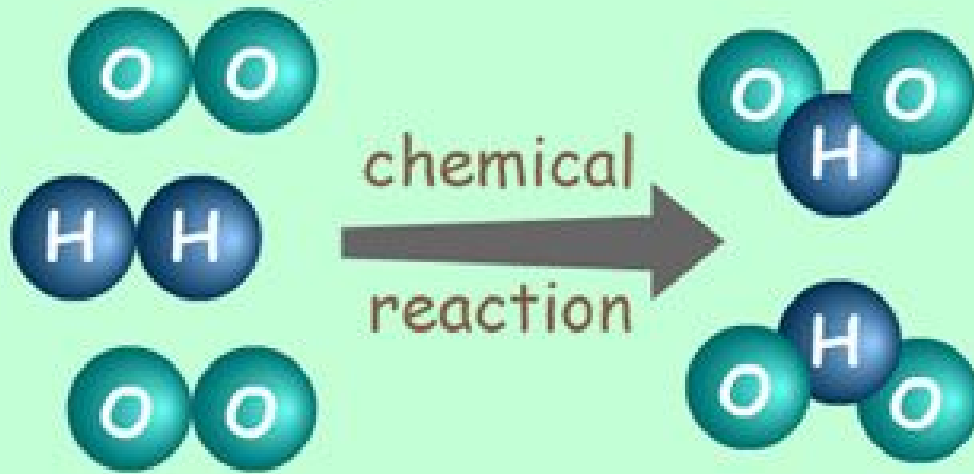
2.4 Chemical Reactions & Enzymes

Chemical reaction: a process that changes, or transforms one set of chemicals into another.

- Bonds are broken, new chemical bonds form
- Can occur quickly or slowly
- Involve changes in energy



Example of chemical reaction



REACTANTS



PRODUCTS

Reactants: elements or compounds before a reaction takes place

Products: elements that are formed after a reaction takes place

5 ways to tell if a chemical reaction has occurred:

- Emission of heat or light
- Gas is produced
- Color change observed
- Formation of a precipitate
- Odor is produced



Example	Chemical or Physical?	Evidence