

**Energy is the
ability to move
or change
matter.**

Forms of energy:

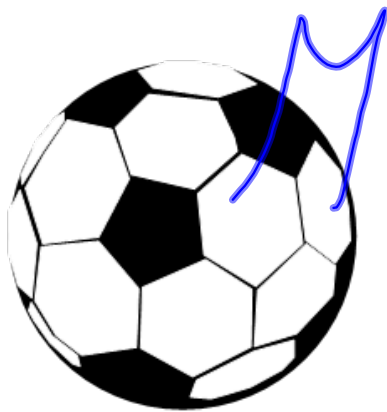
Light

Heat

Chemical

Mechanical

Electrical

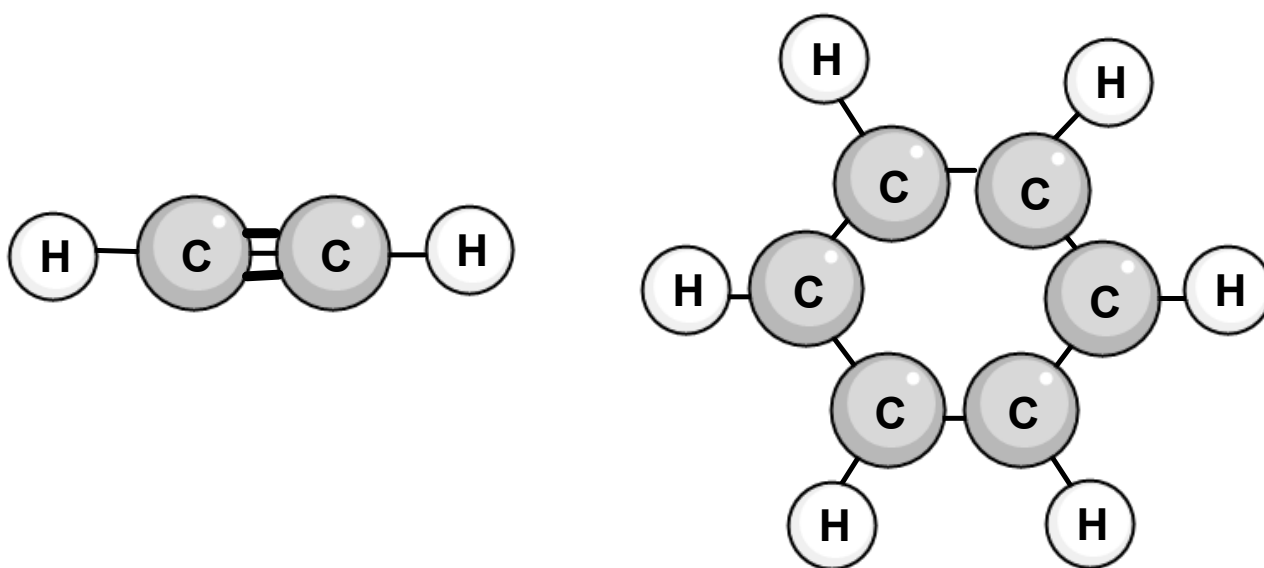


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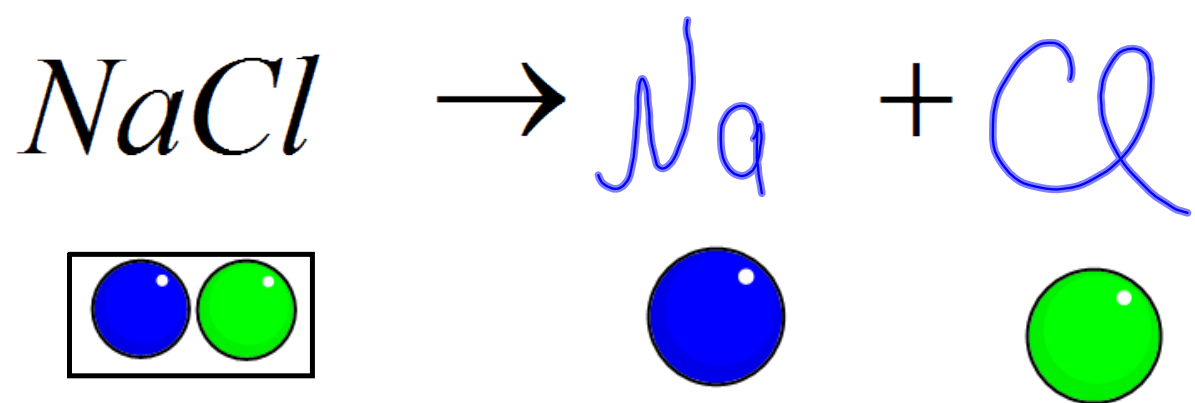
http://www.cirrusimage.com/beetle_firefly_Photuris_lucicrescens.htm



Chemical Reaction



Reactants → Products



Chemical reactions absorb or release energy

video 1

video 2

Open with Video Player. In
folder with chapter 2







Metabolism-
all of the
chemical
reactions in an
organism

Activation Energy-
energy needed to start a
chemical reaction

Examples:



Video

Enzymes- substances that increase the speed of chemical reactions.

Substrate- a substance on which an enzyme acts during a chemical reaction

Active site- pockets on enzymes