

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

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Forms of energy:

Light - bulbs, sun, fire

Heat - fire, sun

Chemical - hydrogen bomb, nuclear

Mechanical - bicycle

Electrical - plug in

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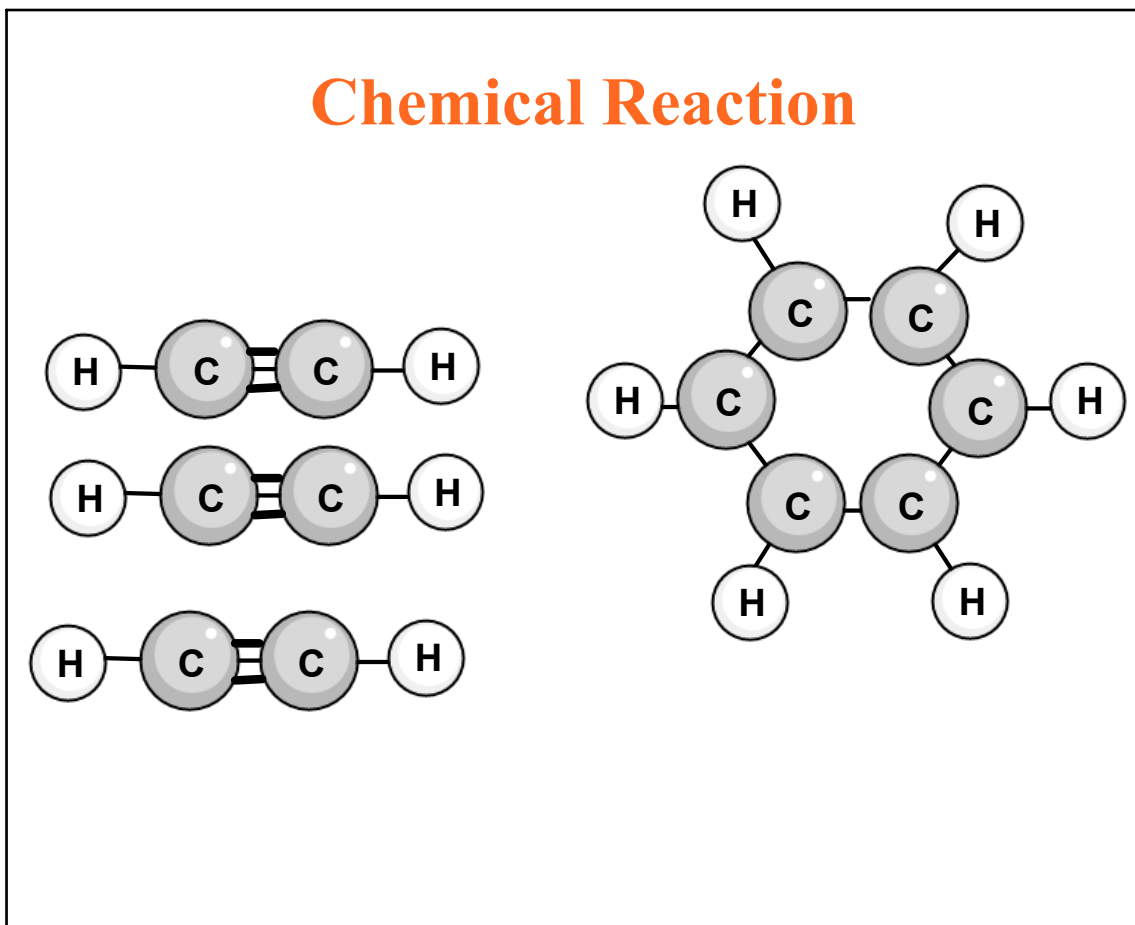
Mechanical

Heat
Chemical

Chemical
light

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

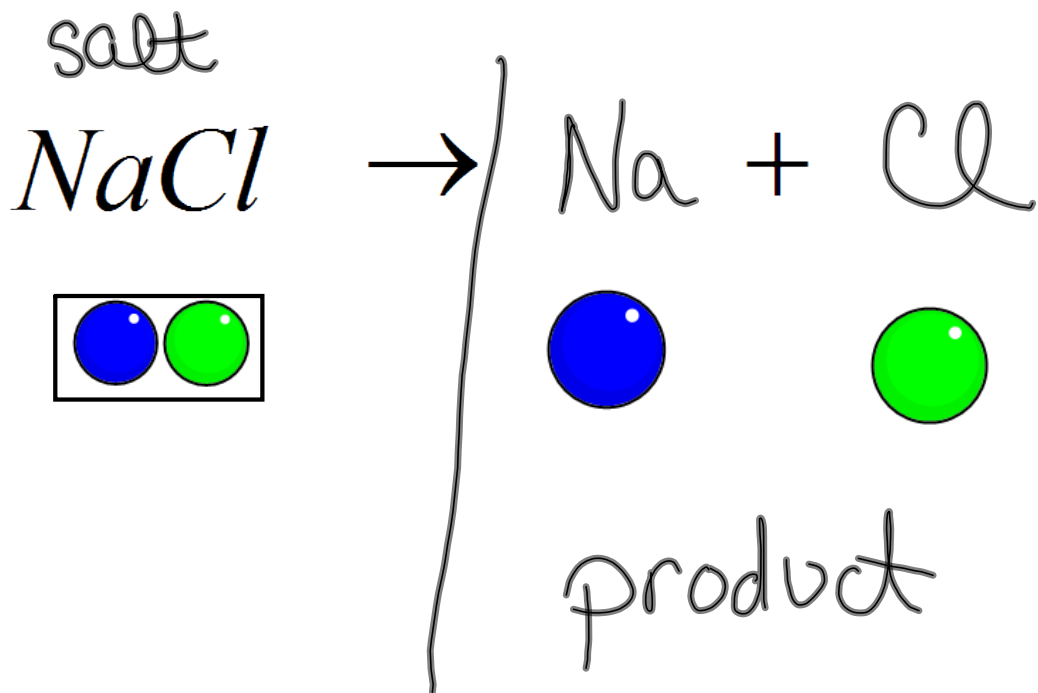
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Reactants \rightarrow Products

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Chemical reactions absorb or release energy

video 1
video 2

Open with Video Player. In
folder with chapter 2

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Metabolism-
all of the
chemical
reactions in an
organism

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Activation Energy-
energy needed to start a
chemical reaction

Examples:

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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

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