

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

# Forms of energy:

Light

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Chemical  
Mechanical

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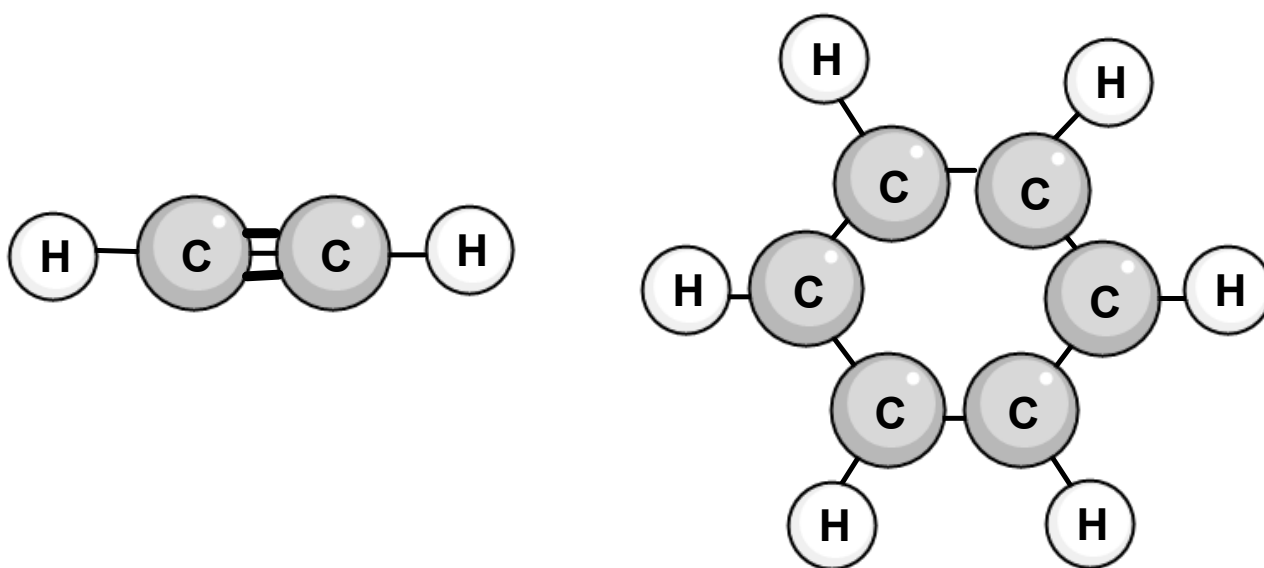


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[http://www.cirrusimage.com/beetle\\_firefly\\_Photuris\\_lucicrescens.htm](http://www.cirrusimage.com/beetle_firefly_Photuris_lucicrescens.htm)

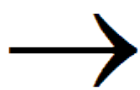


## Chemical Reaction

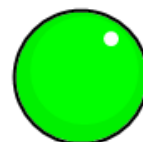
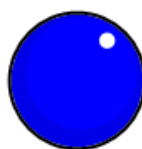
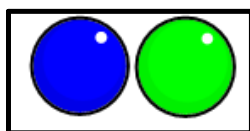




*NaCl*



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# **Chemical reactions absorb or release energy**

**video 1**

**video 2**

Open with Video Player. In  
folder with chapter 2

**Metabolism-**  
**\_\_\_\_\_ of the**  
**chemical**  
**reactions in an**  
**\_\_\_\_\_**



**Activation Energy- energy  
needed to \_\_\_\_\_ a  
chemical reaction**

**Examples:**

**Enzymes-** substances that \_\_\_\_\_ the  
\_\_\_\_\_ of chemical reactions.

**Substrate-** a substance on which an  
\_\_\_\_\_ acts \_\_\_\_\_ a chemical reaction

**Active site-** \_\_\_\_\_ on enzymes