

DON'T CUT!

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Chemistry



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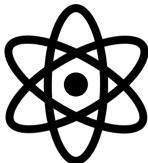
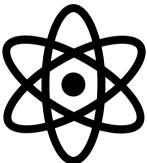


Chemistry



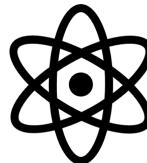
DON'T CUT!

Types of Reactions



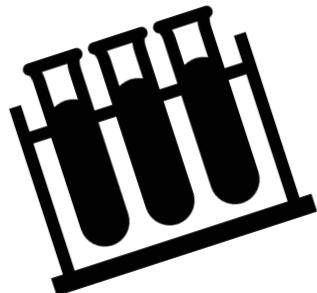
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Types of Reactions



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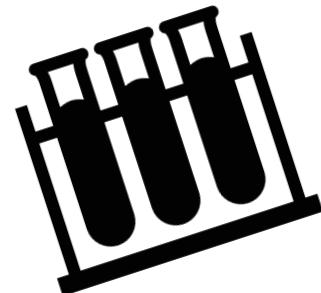
- **Synthesis**
 $A + X \rightarrow AX$
- **Decomposition**
 $AX \rightarrow A + X$
- **Single-Replacement**
 $A + BX \rightarrow B + AX$
- **Double-Replacement**
 $AX + BY \rightarrow BX + AY$
- **Combustion**
Hydrocarbon + $O_2 \rightarrow H_2O + CO_2$



Reaction

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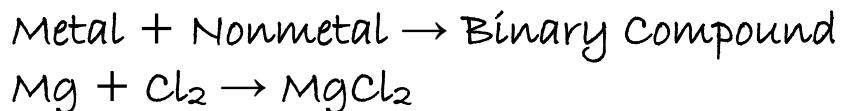
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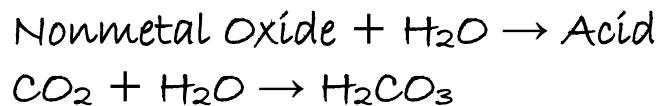
Reaction

DON'T CUT!

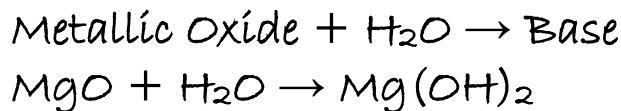
- **Group A Metal + Nonmetal**



- **Nonmetal Oxide + Water**



- **Metallic Oxide + Water**

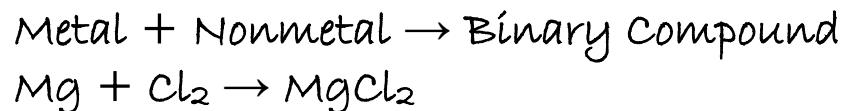


Synthesis

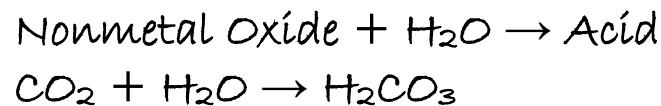


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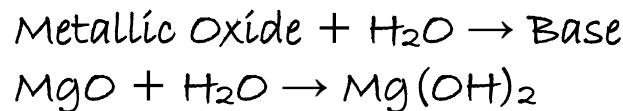
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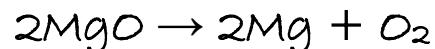
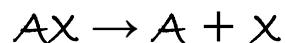


Synthesis



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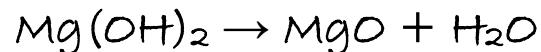
- **Binary Compound**



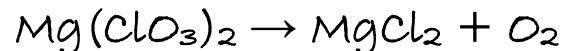
- **Metal Carbonate**



- **Metal Hydroxide**



- **Metal Chlorate**



- **Acid**

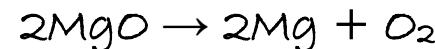
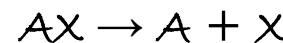


Decomposition



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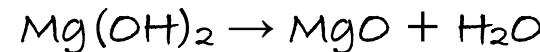
- **Binary Compound**



- **Metal Carbonate**



- **Metal Hydroxide**



- **Metal Chlorate**



- **Acid**



Decomposition

