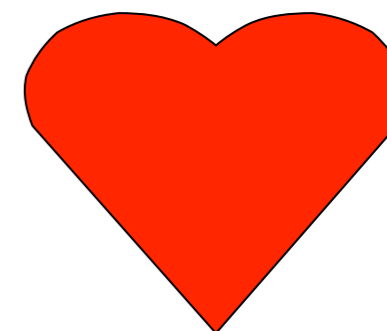


Classification of Chemical Reactions

The Soap-Opera of Chemistry



4 Main types of Reactions

- Synthesis- “Love at first sight”
- Decomposition- “The big break-up”
- Single Replacement- “My best friends girlfriend”
- Double Replacement- “Revenge”

Synthesis- “Love at first sight”



Basic equation: $A+B$ AB

Synthesis- “Love at first sight”



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Basic equation: $A+B$ AB

Synthesis- “Love at first sight”

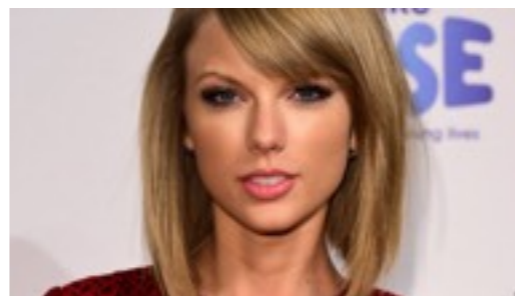


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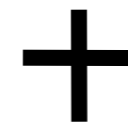
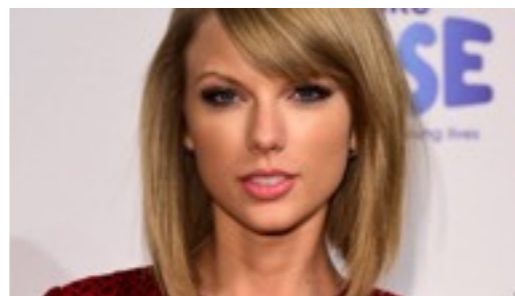
Basic equation: $A+B$ AB

Decomposition- “The Big Break-up”



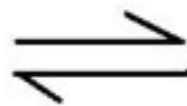
Basic Equation: $AB \rightarrow A+B$

Decomposition- “The Big Break-up”

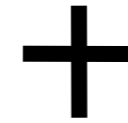
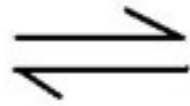


Basic Equation: $AB \rightarrow A+B$

Reversible Reactions



Reversible Reactions



Single Replacement- “My Best Friends Girlfriend”



Basic Equation: $AB \rightarrow A+B$

Single Replacement- “My Best Friends Girlfriend”



Basic Equation: $AB \rightarrow A+B$

Double Replacement- “Revenge”



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Basic Eqn: $AX + BY \rightarrow AY + BX$