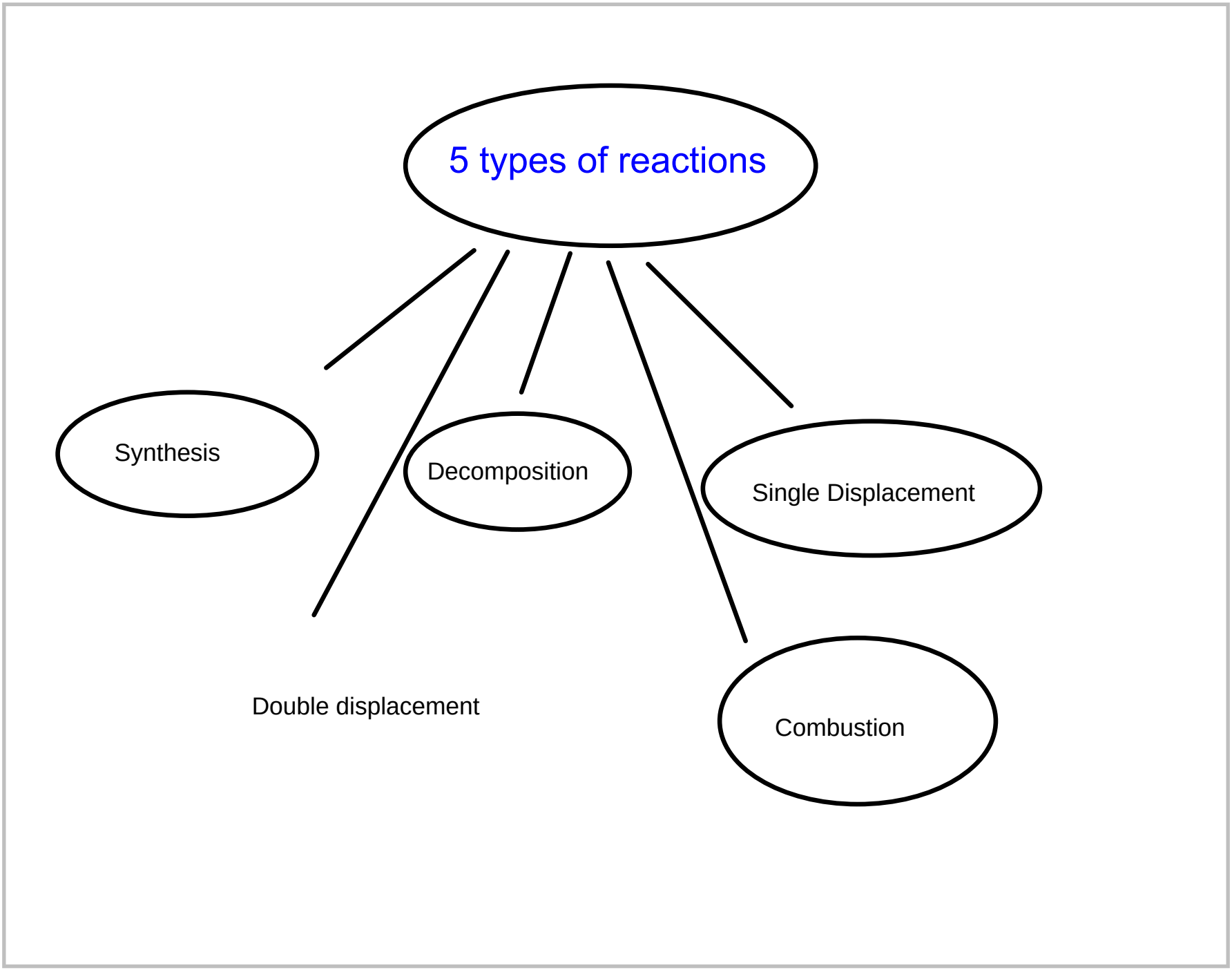
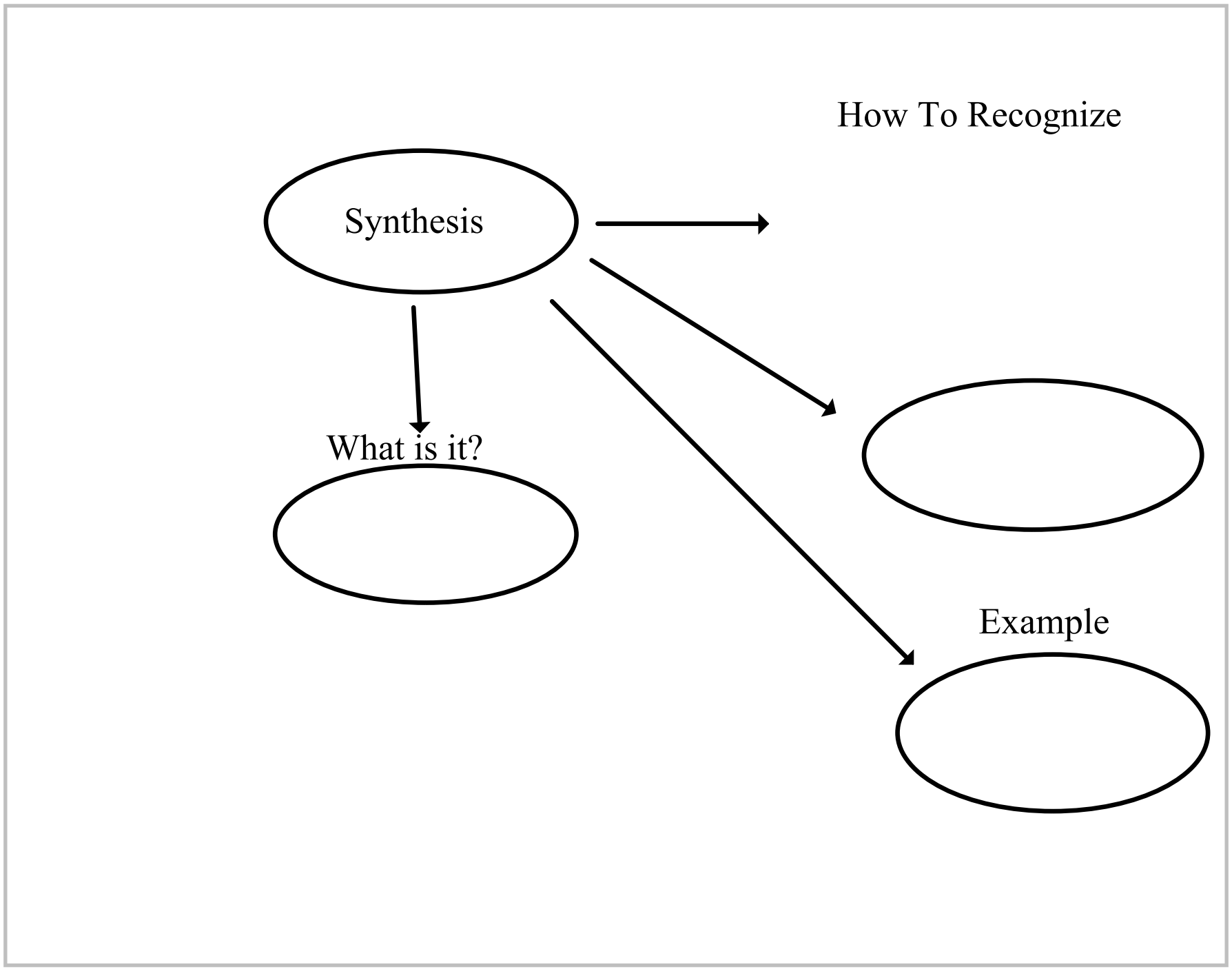
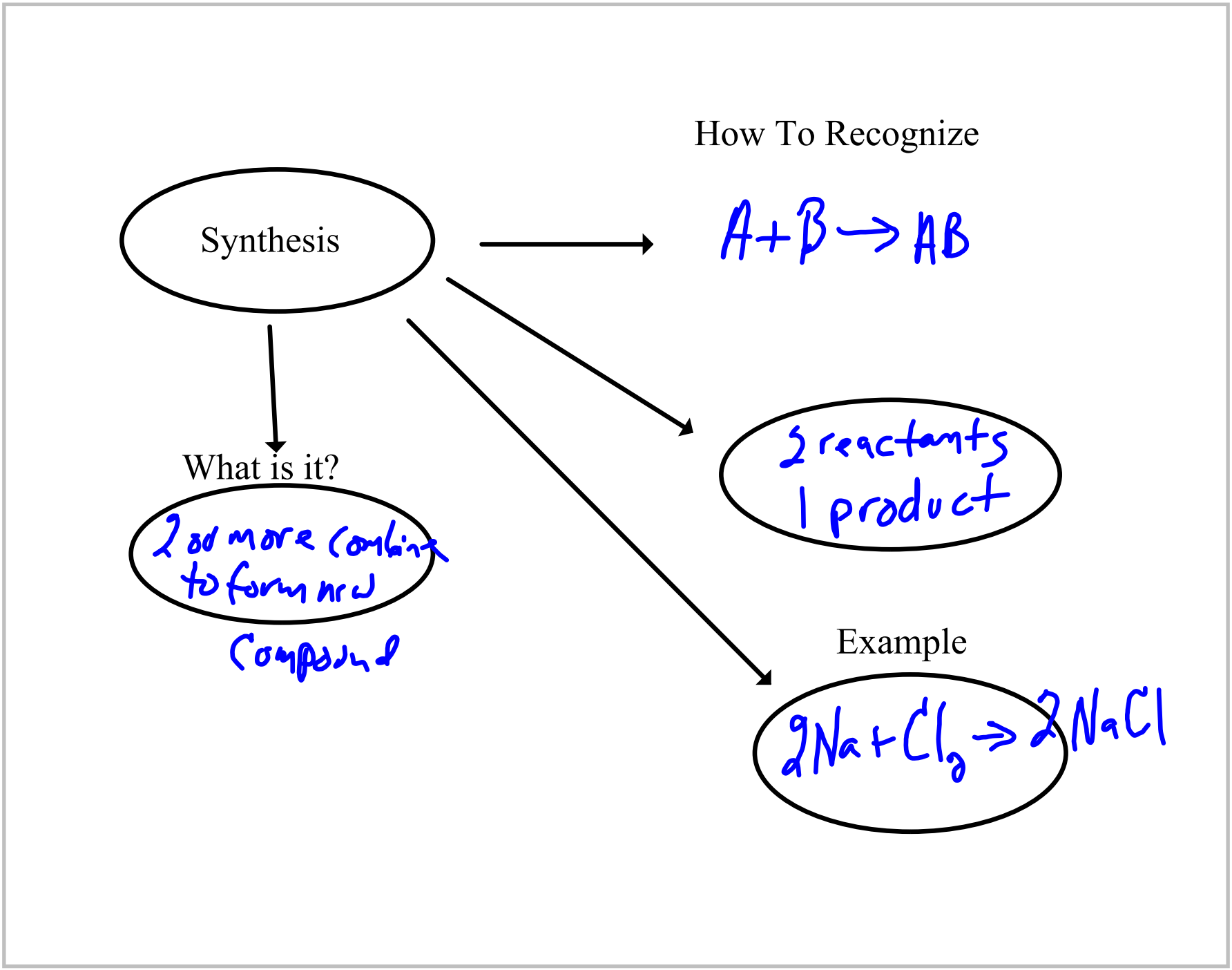
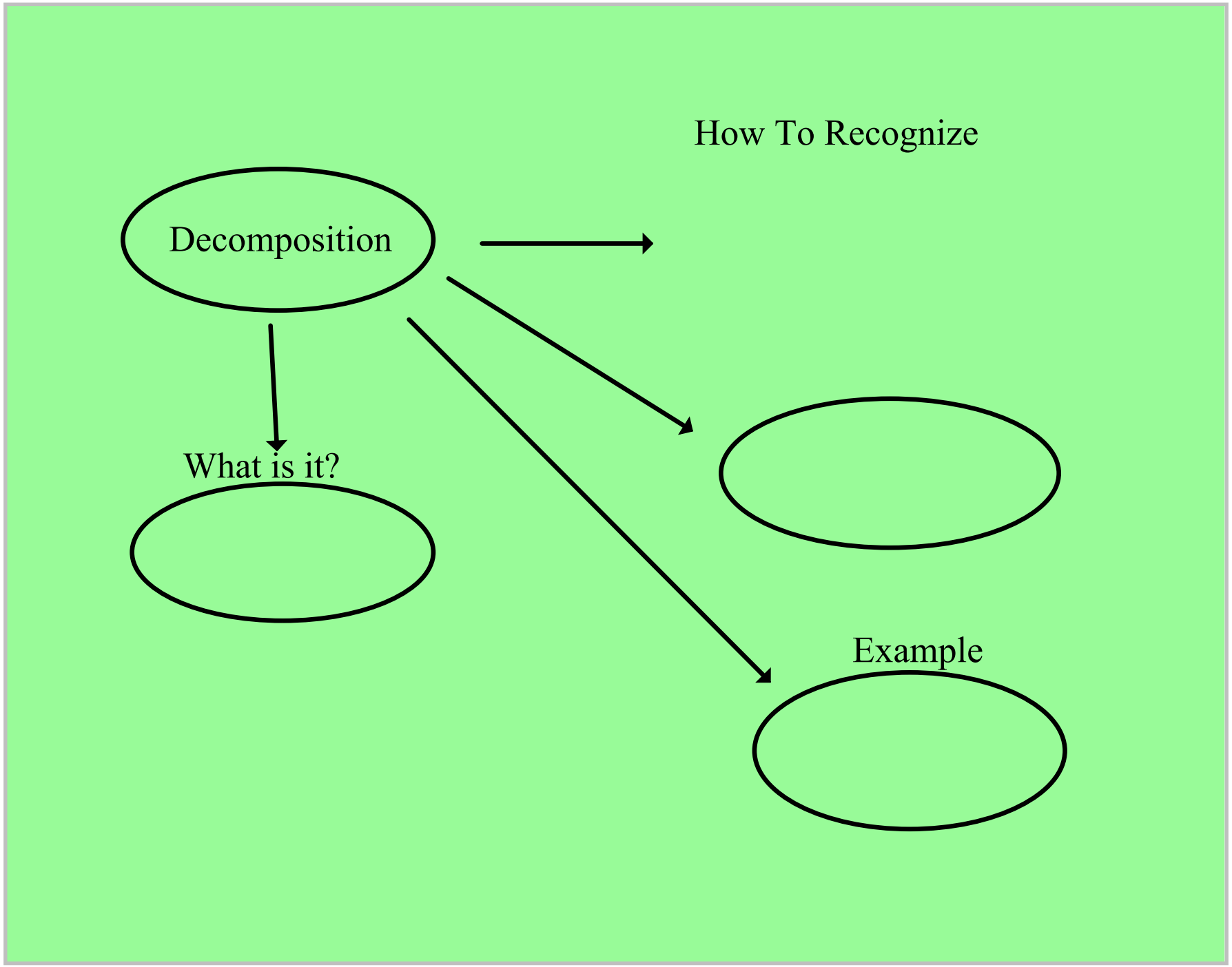
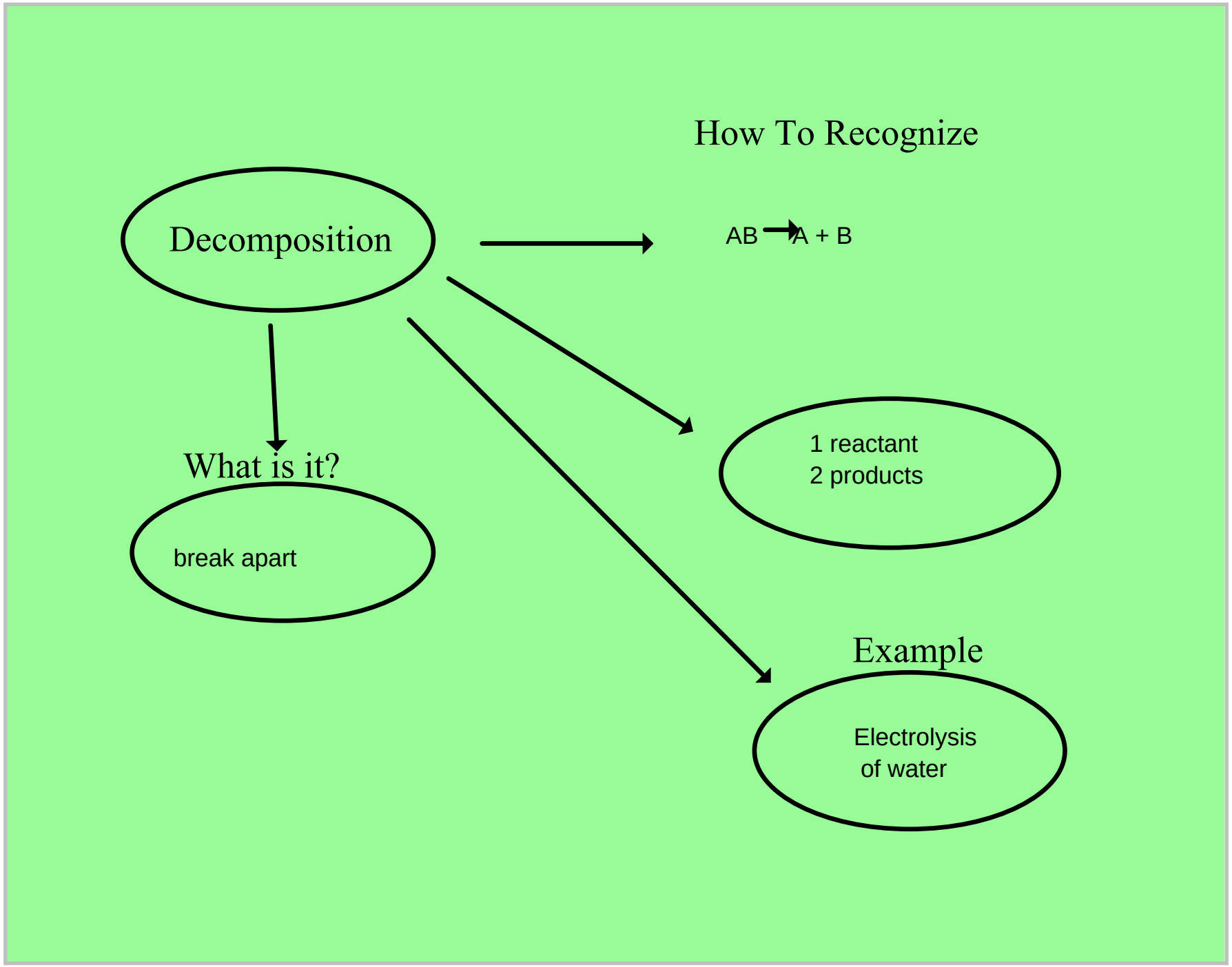
Title: Apr 16-1:28 PM (1 of 14)

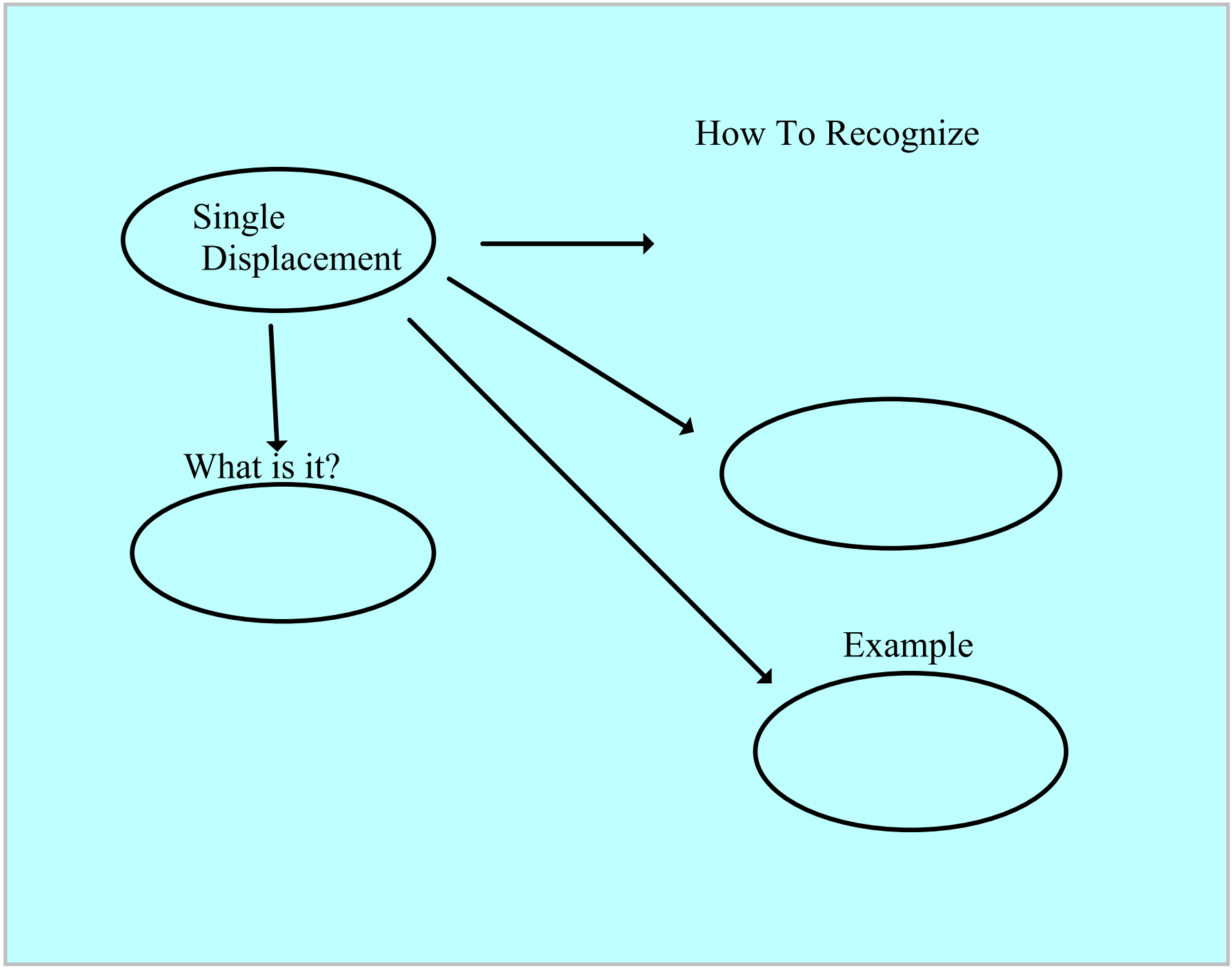

5 types of reactions
Synthesis
Decomposition
Single Displacement
Double displacement
Combustion

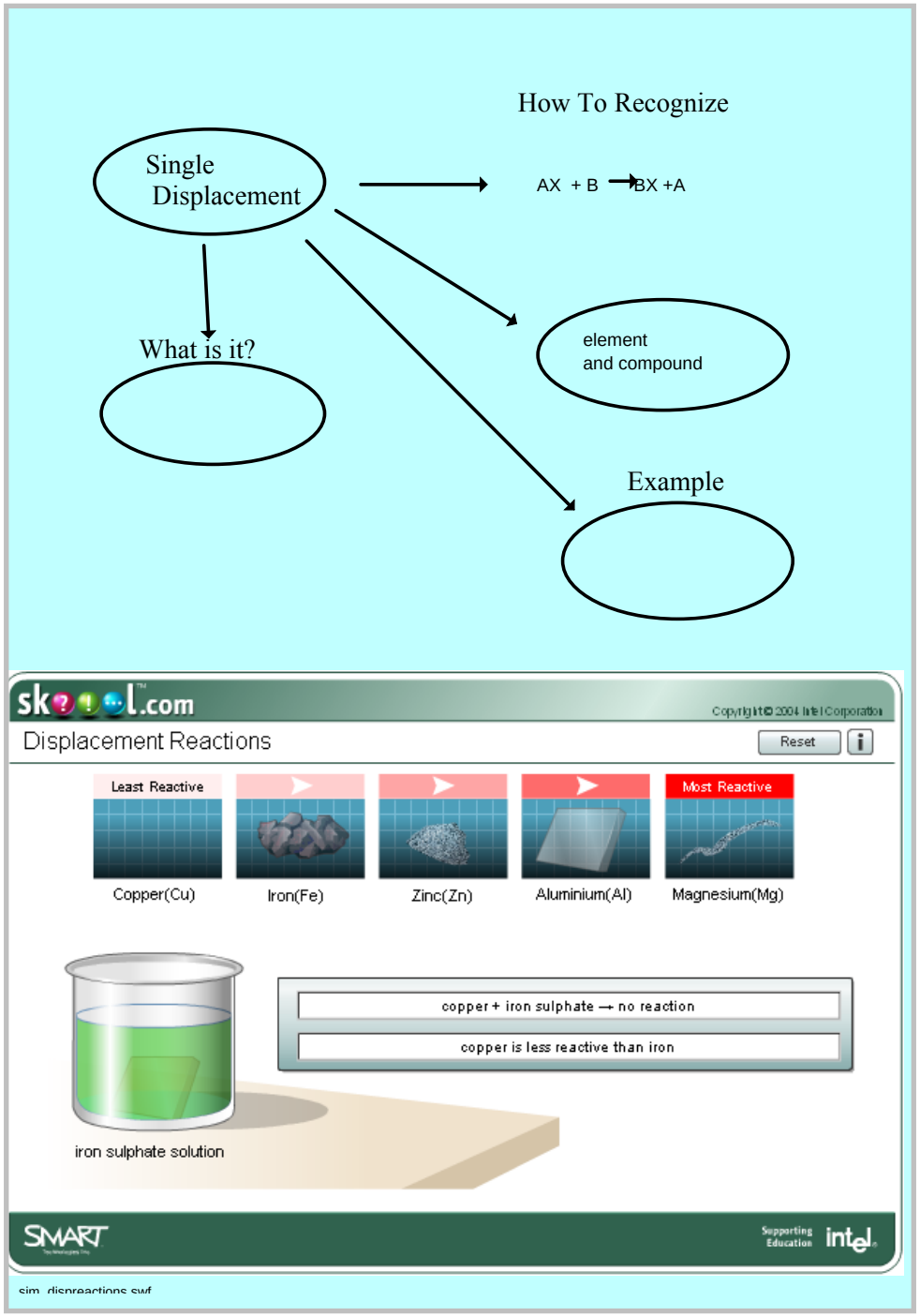

How To Recognize
Synthesis
What is it?
Example

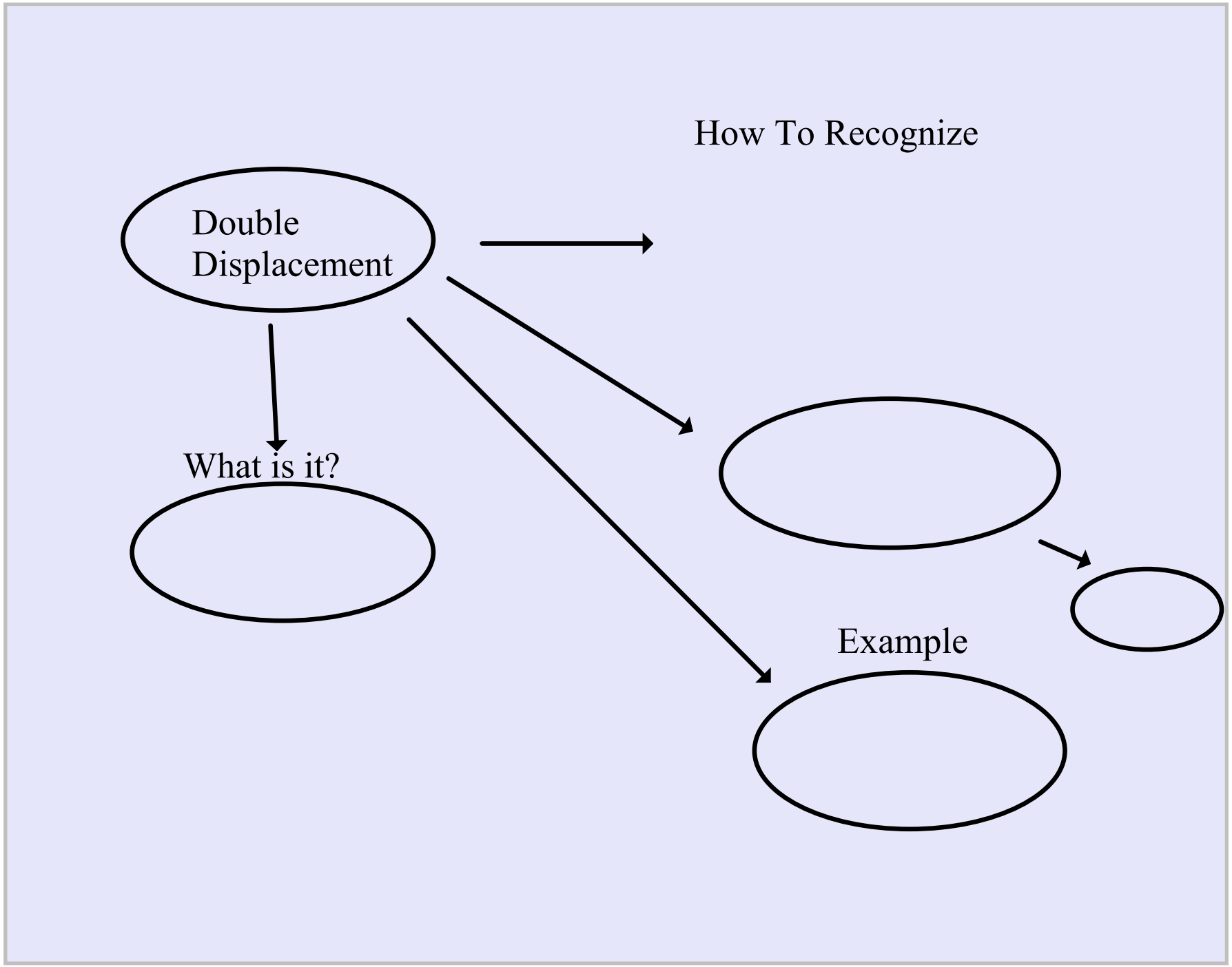

Synthesis
How To Recognize
A+B → AB
What is it?
2 or more combine to form new compound
2 reactants
1 product
Example
2Na + Cl2 → 2NaCl

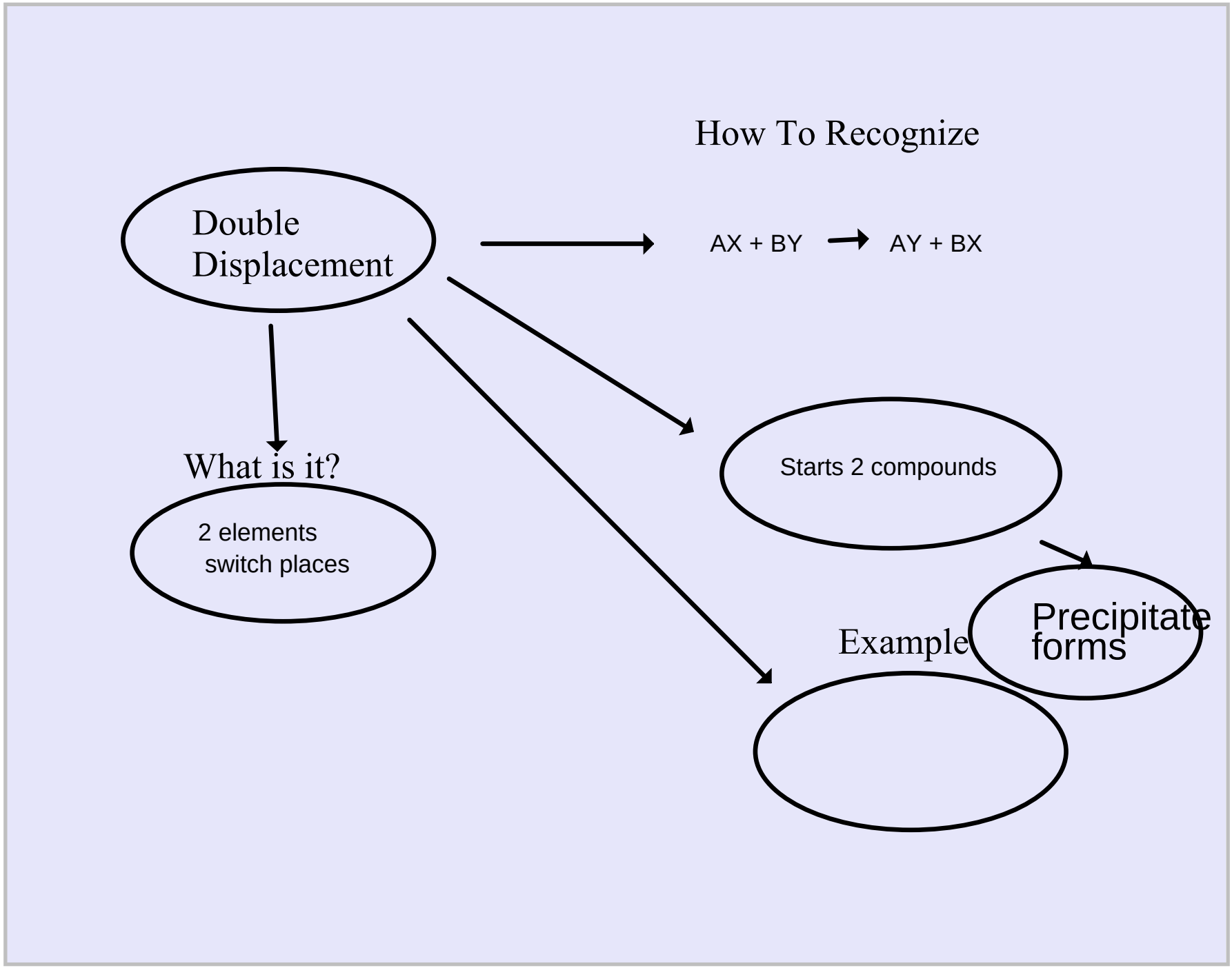

How To Recognize
Decomposition
What is it?
Example

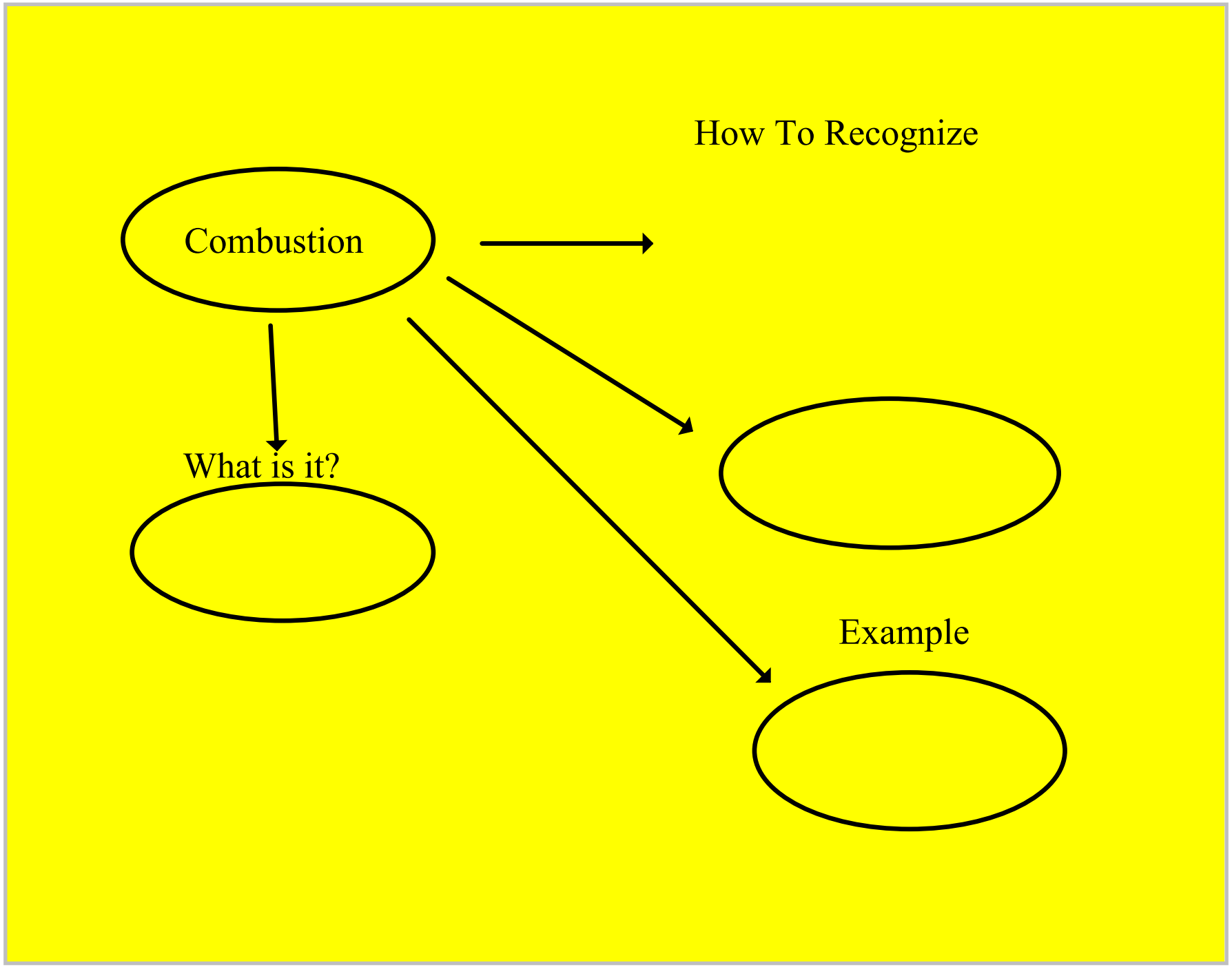

Decomposition
How To Recognize
AB → A + B
What is it?
break apart
1 reactant
2 products
Example
Electrolysis
of water

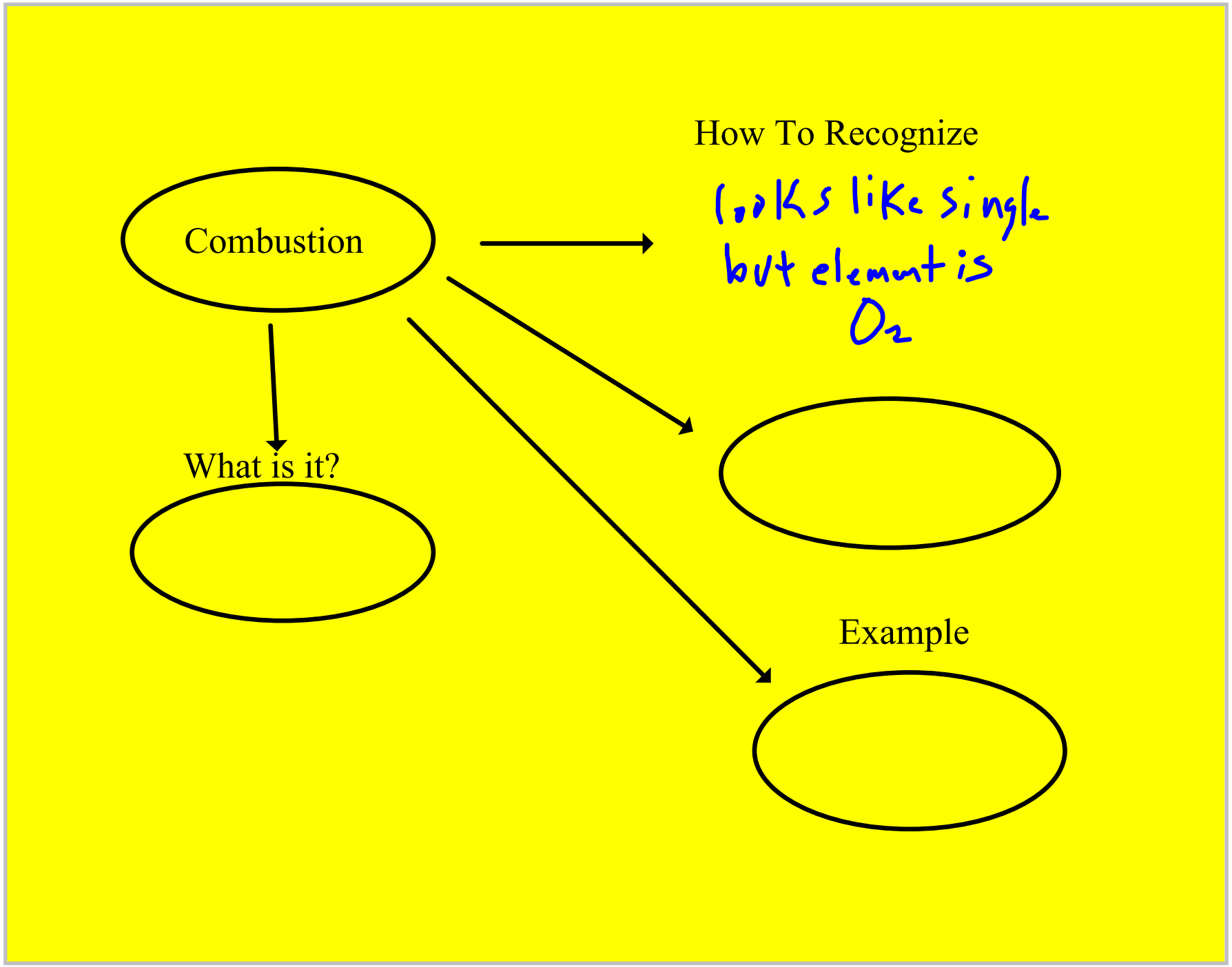

How To Recognize
Single
Displacement
What is it?
Example

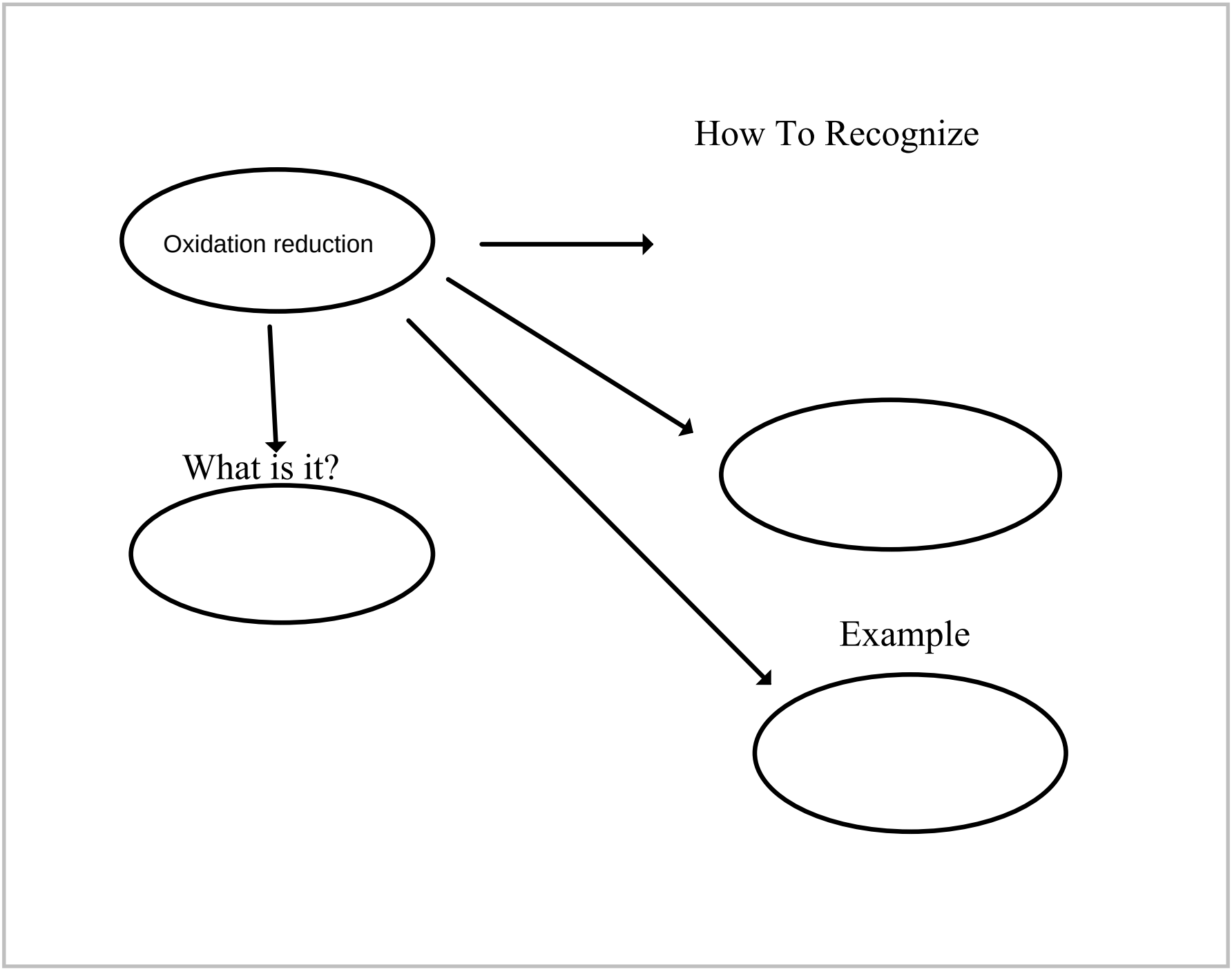

How To Recognize
Single Displacement
AX + B → BX +A
What is it?
element and compound
Example
skool.com
Displacement Reactions
Reset
Least Reactive
Most Reactive
Copper(Cu)
Iron(Fe)
Zinc(Zn)
Aluminium(Al)
Magnesium(Mg)
copper + iron sulphate → no reaction
copper is less reactive than iron
iron sulphate solution
SMART
Supporting Education
intel


How To Recognize
Double Displacement
What is it?
Example


How To Recognize
Double Displacement
AX + BY → AY + BX
What is it?
2 elements switch places
Starts 2 compounds
Precipitate forms
Example


How To Recognize
Combustion
What is it?
Example


How To Recognize
looks like single but element is O_2
Combustion
What is it?
Example


How To Recognize
Oxidation reduction
What is it?
Example

Single displacement

a more active element replaces a less active in a compound

$AX + B \rightarrow BX + A$

double displacement

2 elements switch places

$AX + BY \rightarrow AY + BX$ precipitate forms

synthesis

put together $A + B \rightarrow AB$

decomposition

break apart $AB \rightarrow A + B$

1 reactant 2 product

combustion

organic fuel reacts with O_2

$CO_2 + H_2O$

http://www.fordhamprep.org/gcurran/tutor/chotut.htm