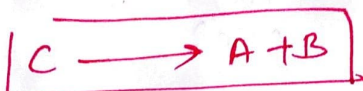


\* DECOMPOSITION RXN :-

Reaction in which one substance decomposes / breaks into simpler substances is known as decomposition rxn.



THERMAL

Decomposition rxn carried out by heating is known as Thermal decomposition



ELECTROLYSIS

Decomposition carried out by electricity is known as electrolytic decomposition

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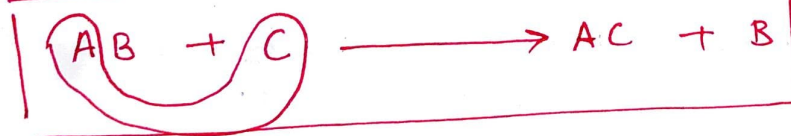


PHOTOLYSIS

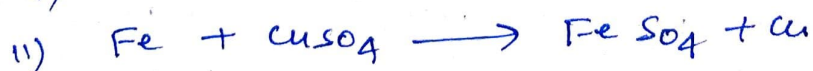
Decomposition rxn carried out by light / sunlight is known as photolysis



③ DISPLACEMENT RXN :-



Reaction in which more reactive element displaces less reactive element is known as Displacement Reaction:-



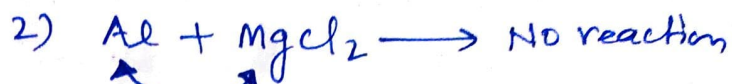
\* Reactivity series :-

Arrangement of metals in the decreasing order of their reactivity is known as Reactivity series.

DECREASING ORDER

P	-	potassium (K)
B	-	X
S	-	Sodium (Na)
C	-	Calcium (Ca)
M	-	magnesium (Mg)
A	-	Aluminium (Al)
Z	-	Zinc (Zn)
I	-	Iron (Fe)
T	-	X
L	-	lead (Pb)
H	-	Hydrogen (H)
C	-	Copper (Cu)
Hg	-	Mercury
Ag	-	Silver
Au	-	gold
P	-	X

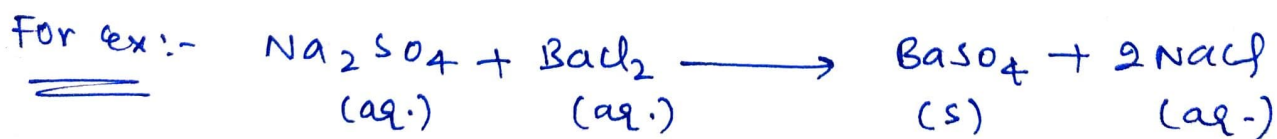
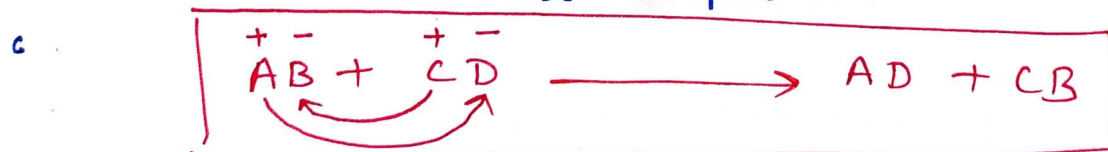
\* For ex:-



'Al' is less reactive than 'Mg'.  $\therefore$ , it cannot displace Mg from its salt solution.

#### ④ DOUBLE DISPLACEMENT RXN :-

Such reactions in which there is an exchange of ions A.R. TUTORIALS between the reactants are called double displacement rxn.



Ques:- Identify the type of chemical Rxn:-

