

# Chem11 The Activity Series : Notes - 10

## Metals

Lithium	Li	
Potassium	K	
Barium	Ba	
Strontium	Sr	
Calcium	Ca	
Sodium	Na	

Magnesium	Mg	
Aluminum	Al	
Manganese	Mn	
Zinc	Zn	
Chromium	Cr	
Iron	Fe	
Cobalt	Co	
Nickel	Ni	
Tin	Sn	
Lead	Pb	

Hydrogen      H<sub>2</sub>

Copper	Cu	
Silver	Ag	
Mercury	Hg	
Platinum	Pt	
Gold	Au	

## Non - metals

Fluorine	F
Chlorine	Cl
Bromine	Br
Iodine	I

These metals  
displace H<sub>2</sub>  
from water

These metals displace  
H<sub>2</sub> from acids

These metals do not  
react with water or acids

Examples :

$\text{Fe}_2\text{O}_3 + 2\text{Al} \rightarrow \text{Al}_2\text{O}_3 + 2\text{Fe}$   
will occur because Al is higher on the list than Fe. Therefore, Al replaces Fe.

$\text{KCl} + \text{Br}_2 \rightarrow \text{N.R.}$

N.R means no reaction. This reaction will not occur because Br is lower than Cl on the list. Therefore, Br will not replace Cl.