

# Activity Series Chart

## Metals

## Non-Metals

Most  
Active

Name

Symbol

Name

Symbol

**Lithium**      **Li**  
**Potassium**      **K**  
**Barium**      **Ba**  
**Strontium**      **Sr**  
**Calcium**      **Ca**  
**Sodium**      **Na**  
**Magnesium**      **Mg**  
**Aluminum**      **Al**  
**Manganese**      **Mn**  
**Zinc**      **Zn**  
**Iron**      **Fe**  
**Cadmium**      **Cd**  
**Cobalt**      **Co**  
**Nickel**      **Ni**  
**Tin**      **Sn**  
**Lead**      **Pb**  
**Hydrogen**      **H**  
**Copper**      **Cu**  
**Silver**      **Ag**  
**Mercury**      **Hg**  
**Gold**      **Au**

Lithium  
through  
Sodium  
can  
replace a  
Hydrogen  
in a water  
molecule

Magnesium through Lead  
can replace a Hydrogen  
in an acid molecule

**Fluorine**      **F**  
**Chlorine**      **Cl**  
**Bromine**      **Br**  
**Iodine**      **I**

You do **NOT** need to memorize  
 this chart. If you need this info  
 on an exam, we will give you a  
 copy or section of the chart! You  
 need to know how to **USE** the  
 chart, that is it. If you do not  
 have access to the chart you can  
 assume the reaction occurs.

Least  
Active

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Elements **CANNOT** replace anything **ABOVE** them.  
 The reaction **DOES NOT OCCUR** in this situation.

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Examples:     $ZnCl_2 + Mg \rightarrow MgCl_2$   
*Magnesium is above Zinc so the reaction happens*

$ZnCl_2 + Cu \rightarrow$  No Reaction  
*Copper is below Zinc so no reaction happens*