Activity Series Chart

|  |  |  |  |
| --- | --- | --- | --- |
| Metals |  |  Non-Metals |  |
| ***Name*** | ***Symbol*** |  ***Name*** | ***Symbol*** |
| ***Lithium*** | ***Li*** |  ***Fluorine*** | ***F*** |
| ***Potassium*** | ***K*** |  ***Chlorine*** | ***Cl*** |
| ***Barium*** | ***Ba*** |  ***Bromine*** | ***Br*** |
| ***Strontium Calcium Sodium Magnesium Aluminum Manganese Zinc******Iron Cadmium Cobalt Nickel Tin******Lead Hydrogen Copper Silver Mercury******Gold*** | ***Sr Ca Na Mg Al Mn Zn Fe Cd Co Ni Sn Pb H******Cu Ag Hg******Au*** |  ***Iodine*** | ***I*** |

***Most Active***

*Lithium through Sodium can replace a Hydrogen in a water molecule*

*Magnesium through Lead can replace a Hydrogen in an acid molecule*

**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***

# **\*\*\***

**Elements CANNOT replace anything ABOVE them.**

**The reaction DOES NOT OCCUR in this situation.**

# **\*\*\***

# **Examples: ZnCl2 + Mg 🡪 MgCl2  Magnesium is above Zinc so the reaction happens**

#

#  **ZnCl2 + Cu 🡪 No Reaction Copper is below Zinc so no reaction happens**

**R-25**