

Elements-Metals

- Metals are found to the LEFT of the **stair step line**
- All metals have certain physical properties
 - **Shiny**-The element reflects light
 - **Malleable**-The element can be formed into shapes
 - **Ductile**-the element can be pulled into long, thin wires
 - **Conductivity**-Heat and electricity can be spread through the element
- Metals tend to form positive (+) ions
- **Corrosion** happens when metals react with Oxygen
 - Iron (Fe) reacts with Oxygen to make Iron Oxide (rust)
- **Families of Metals**
 - **Alkali Metals**-The elements in Group 1
 - VERY reactive, shiny, soft metals
 - Only found in nature as compounds
 - **Alkaline Earth Metals**-The elements in Group 2
 - Reactive, grey, hard metals
 - Only found in nature as compounds
 - **Transition Metals**-The elements in Group 3-12
 - Do not react easily
 - Variety of colors
 - Can be found as pure elements in nature
 - **Rare Earth Metals**
 - The 2 rows at the bottom of the Periodic Table
 - Many can be found in nature
 - Everything after Uranium was made by scientists in a lab