Alkali Metals

- Low melting and boiling points
- Excellent conductivity of electricity
- Dissolves in water
- Reacts to Oxygen and nitrogen
- The most reactive metals and nitrogen
Alkaline Earth Metals

- Physical: Rock Based- high density, shiny, Malleable - Ductile - (laffy Taffy) Bend and not break, Conduct electricity
- Reactivity: less then Alkali and Alkaline earth
- Ion Formation: Cations, but not consistent (+1, +2, +3, +4 Depending on their group)
- Nickel, Iron and Gold

Transition Metals

- Group # 3-12
- Physical:
  - Rock Based- high density
  - shiny
  - Malleable - Ductile - (laffy Taffy) Bend and not break
  - Conduct electricity
- Reactivity: less then Alkali and Alkaline earth
- Ion Formation: Cations, but not consistent (+1, +2, +3, +4 Depending on their group)
- Nickel, Iron and Gold
**Metalloids**

Group 13-16
metallic
Conducts electricity when hot
reactivity: acts like non-metal or a metal
Not as reactive as other metals
No single Ion Formation

**Non-Metals**

Group: 14-16
Not dense
do not conduct heat or electricity, found in organic stuff
very brittle,
reactivity: decreases as you go down the table
Reacts by gaining electrons --> form Anions (-)
Halogen

Group # 17
Non-metallic, solid liquid or gas
poisonous.
reactivity: THE MOST REACTIVE
never happy, they want more
electrons!!!!!!!
ion formation: - 1 anions

Noble Gasses

odorless, colorless, non-metals
Group #18
Very Low reactivity
Inert - don't react
ion formation: none
Neon, Argon, Helium
Inner Transition Metals

Not Natural: they are made in the lab

Non-reactive but super radioactive