

# Periodic Table Organization

Groups (families) - vertical columns (18)

Periods - horizontal rows (7)

Alkali metals - Gp 1 - most reactive metals

Alkaline earth metals - Gp 2 - reactive metals

Transition metals - Gp 3-12

Halogens - Gp 17 - most reactive nonmetals

Noble Gases - Gp 18 - nonreactive nonmetals

Metals - lustrous, conductors of heat & electricity,  
(shiny) malleable & ductile  
(can be hammered into thin sheets) (can be drawn into wire)

Nonmetals - dull, brittle solids or liquids or gases,  
insulators (nonconductors)

Metalloids (semi-metals) - have properties of  
metals & nonmetals

Inner Transition Metals (rare earth metals)

### legend

- metals ■
- metalloids ■
- nonmetals ■
- alkali metals ■
- alkaline earth metals ■
- transition metals ■
- halogens ■
- noble gases ■
- inner + transition metals (rare earth) ■
- lanthanides ■
- actinides ■

