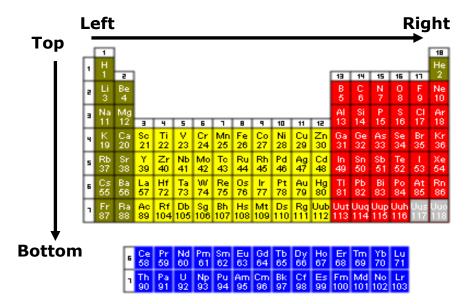
# **Chemistry 221-General Trends of the Periodic Table**



#### Radius

- Decreases from left to right
- Increases from top to bottom

# **Electron Affinity**

- Generally increases from left to right
- Generally decreases from top to bottom

## Electronegativity

- Generally increases from left to right
- Generally decreases from top to bottom

#### **Ionization Energy**

- Generally increases from left to right
- Generally decreases from top to bottom

### Oxidizing agents and reducing agents

- The left hand side of the table has the reducing agents that lose electrons
- The right hand side has the oxidizing agents that gain electrons

# Acidity

- Increases from left to right
- Increases top to bottom

## **Basicity**

- Decreases from left to right
- Decreases from top to bottom

