Topic 2 – The Periodic Table

Lesson 4 – Periodic Trends

Terms to Know

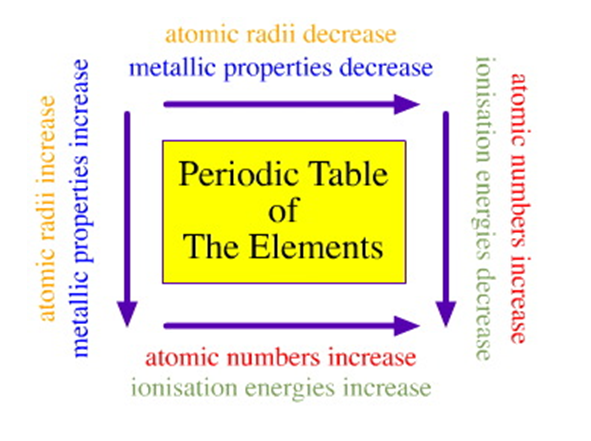
Atomic Radius –

Electronegativity –

Ionization Energy –

Metallic Properties –

Nonmetallic Properties –



|  |  |  |
| --- | --- | --- |
| Property | Period Trend | Group Trend |
| Atomic Radius | Decreases due to increase in nuclear charge | Increases due to increase in number of electron shells |
| Electronegativity | Increases due to decreasing atomic radius | Decreases due to increasing atomic radius |
| Ionization Energy | Increases due to decreasing atomic radius | Decreases due to increasing atomic radius |
| Metallic Properties | Decrease | Increase |
| Nonmetallic Properties | Increase | Decrease |