|  |  |
| --- | --- |
| s-block (main group elements) | p-block (main group elements) |
| Group 1:  Group 2:  Hydrogen:  Helium: | Group 17:  Group 18:  Metalloids:  p-block metals:  Other diatomics: |
| d-block | f-block |
|  |  |

**Periodic trends**

Melting Point

|  |  |
| --- | --- |
| Group Trend | Period trend |
| Example | Example |

Reactivity

|  |  |
| --- | --- |
| Group Trend | Period trend |
| Example | Example |

Atomic radius (size)

|  |  |
| --- | --- |
| Group Trend | Period trend |
| Example | Example |

Ionization energy

|  |  |
| --- | --- |
| Group Trend | Period trend |
| Example | Example |

Electronegativity

|  |  |
| --- | --- |
| Group Trend | Period trend |
| Example | Example |

Electron affinity

|  |  |
| --- | --- |
| Group Trend | Period trend |
| Example | Example |

Atomic vs. ionic radius (size)

|  |  |
| --- | --- |
| Metals | Nonmetals |
| Example | Example |
| Group Trend | Period trend |
| Example | Example |