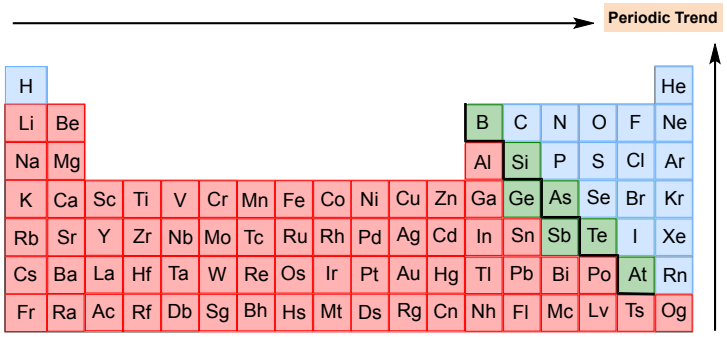
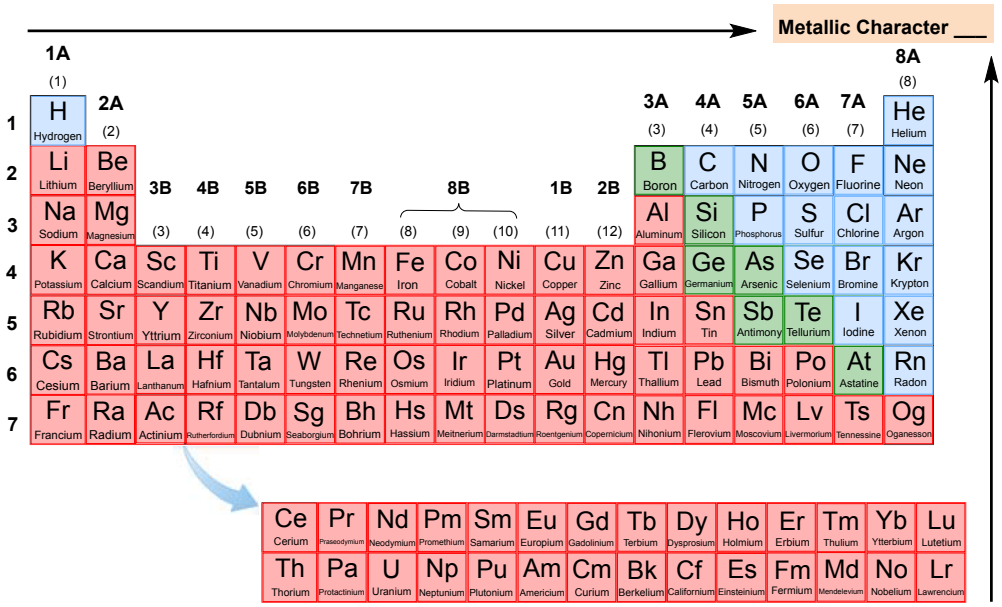
**CONCEPT:** PERIODIC TREND: METALLIC CHARACTER

- **Periodic Trends:** Specific patterns in the properties of the elements based on changing atomic numbers.
  - □ We will examine these patterns while moving to the top right corner of the Periodic Table.




- **Metallic Character**: How easily an element can lose an electron.
  - □ Metals tend to _____ electrons.
  - □ Non-metals tend to _____ electrons.
  - □ Recall, the Major Periodic Table Classifications: **metals**, **metalloids** and **non-metals**.
  - □ **Periodic Trend:** Metallic Character _____ moving from left to right across a period and going up a group.




**EXAMPLE:** Based on the periodic trend, which element would have greater metallic character: S vs. Te

**PRACTICE:** Between which two elements is the difference in metallic character the greatest?

a) Rb and O b) O and I c) Rb and I d) Li and O e) Li and Rb