

The periodic table displays elements organized by atomic number (1 to 118) and chemical groups. The elements are color-coded as follows:

- Alkali Metals (Group 1):** Blue
- Alkaline Earth Metals (Group 2):** Orange
- Transition Metals (Groups 3-10):** Green
- Post-Transition Metals (Groups 11-16):** Yellow
- Metalloids (Groups 17-18):** Purple
- Nonmetals (Groups 19-20):** Pink
- Noble Gases (Group 18):** Light Blue

The lanthanide and actinide series are shown separately at the bottom of the table.