

## Periodic Table Assignment Sheet

A blank periodic table is to be obtained from the RVGS Website, under Homework. Label the blank periodic table according to the following directions: (NEATNESS counts!!)

1. Write the **Family** name above Groups I, II, V, VI, VII, and VIIIA.
2. Draw the **Lewis dot** symbol for each family, I - VIIIA. (ex. X for IA)
3. Write the **symbols** for the elements in Groups I - VIIIA.
4. **Label** the location of the **Transition** elements.
5. **Label** the **Lanthanide** and **Actinide** Series.
6. **Color code** metals, nonmetals, metalloids and Noble Gases.
7. **Number** the **periods** on both sides of the chart.
8. Write in the **cation** or **anion charge** above each Group (I - VIIIA).
9. **Draw** (and **label**) a **box** around the s, p, d, and f blocks.
10. Give the **trends** across and down a group for each of the following:
  - a. ionization energy
  - b. electronegativity
  - c. metal characteristics
  - d. nonmetal characteristics
  - e. atomic radii
  - f. ionic radii