

Name: _____ Date: _____ Pd: _____

Organization of the Periodic Table of the Elements

Chapter 3

On a separate piece of paper, please construct a drawing of each of the elements listed below. You will need to label the following information on your drawing:

- Amount of total Protons, Neutrons, and Electrons.
- The amount of energy levels
- The amount of valence electrons
- The orbitals for each energy level
- The atomic mass
- The charge of the most common ion (cation or anion?) [You will need to predict this using what you now know about the periodic table].

You may use your new periodic table.

Elements:

1. Nitrogen
2. Arsenic
3. Cesium
4. Iodine
5. Carbon - 14
6. Sodium
7. Calcium - 45