**COSTAATT**

**CHEM 090**

**Lesson 4 – Worksheet**

1. The periodic table is defined as an organization of the elements in order

of increasing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and grouped according to similar \_\_\_\_\_\_\_\_\_\_\_

properties and similar \_\_\_\_\_\_\_\_\_\_\_\_ arrangements.

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are substances that cannot be broken down into

simplermaterial by any chemical means.

3. Dmitri Mendeleev was a Russian scientist who set up the

periodic table in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ century.

4. Using Mendeleev’s system elements with similar\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ properties fell into families or groups.

5. Families or groups are designated by what? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Elements on the periodic table are usually identified with three things.

What are they?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Protons are found in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an atom.

8. Metals are found on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ side of the table, while the

nonmetals are found on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ side of the table.

9. An element that is an alkali metal is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

10. Helium (He) is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

11. Name 2 elements in Period 2.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. Name two elements in group VII

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_