

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# ELEMENTS AND PERIODIC TABLE

1. All families have the same number of \_\_\_\_\_ electrons.
2. Noble gases are elements that have a \_\_\_\_\_ valence electron shell
3. Alkali metals are the elements in the \_\_\_\_\_ column
4. Halogens are elements in the \_\_\_\_\_ column (includes fluorine, chlorine, \_\_\_\_\_ and \_\_\_\_\_)
5. Horizontal rows are called \_\_\_\_\_
6. Elements in the same \_\_\_\_\_ you move from left to right. (row) are filling up the same energy level as
7. Vertical columns are called \_\_\_\_\_
8. The \_\_\_\_\_ have full outer electron shells which makes them inert or non-reactive.
9. Noble gases are the elements in \_\_\_\_\_ column (includes helium, neon, \_\_\_\_\_, and \_\_\_\_\_)
10. \_\_\_\_\_ is NOT an alkali metal because it behaves unlike any other element and does not belong to a family. It is our only orphan!
11. Chemical \_\_\_\_\_ have similar properties.
12. \_\_\_\_\_ electrons are the electrons in the outermost shell of the atom.
13. Noble gases are also called \_\_\_\_\_ other elements.
14. The \_\_\_\_\_ family are the most active metals.
15. The \_\_\_\_\_ family are the most active NON-metals.