Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_ ASSIGN

**Periodic Table Practice**

**Part 1: Scavenger Hunt:** Use your periodic table to answer the following questions.

1. The element located in Period 4, Family 8 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The element located in Period 2, Group 15 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. The element located in Period 7, Family 2 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. The element located in Period 6, Family 1 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. The element located in Period 1, Group 1 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. The element located in Period 5, Family 11 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. The element located in Period 3, Group 18 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. The element located in Period 2, Family 18 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
9. The element located in Period 5, Group 4 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
10. All the elements in Group 1 belong to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ family.
11. All the elements in Group 2 belong to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ family.
12. All of the elements in Group 17 belong to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ family.
13. All the elements in Group 18 belong to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ family.
14. The elements located between Groups 3 and 12 are called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
15. Elements that have properties of both metals and nonmetals are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Part 2: Atomic Math Challenge:** Use the periodic table to fill in the blanks below.

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**Part 3: Element Names and Symbols**

Directions: Give the **name, # of protons, and group #** for each of the element symbols below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Symbol** | **Element Name** | **# Protons** | **Group #** |
| Ni |  |  |  |
| C |  |  |  |
| S |  |  |  |
| Ca |  |  |  |
| N |  |  |  |
| Pb |  |  |  |
| P |  |  |  |
| B |  |  |  |
| Cl |  |  |  |
| Au |  |  |  |
| Si |  |  |  |
| He |  |  |  |
| Na |  |  |  |
| K |  |  |  |
| Mg |  |  |  |

Directions: Give the **symbol, atomic mass, and period number** for each of the named elements below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Element**  | **Symbol** | **Atomic Mass** | **Period #** |
| Lithium |  |  |  |
| Silver |  |  |  |
| Iron |  |  |  |
| Boron |  |  |  |
| Neon |  |  |  |
| Sodium |  |  |  |
| Carbon |  |  |  |
| Oxygen |  |  |  |
| Hydrogen |  |  |  |
| Chlorine |  |  |  |
| Cesium |  |  |  |
| Magnesium |  |  |  |