**The Periodic Table Worksheet**

1. Complete the following table using your periodic table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Atomic Number** | **Element** | **Symbol** | **Group (1 – 18)** | **Period** |
|  |  |  | 1 | 3 |
|  | Potassium |  |  |  |
|  |  | Ne |  |  |
|  |  |  | 12 | 5 |
| 36 |  |  |  |  |
|  |  |  | 16 | 2 |
|  | Mercury |  |  |  |
|  |  | Po |  |  |
| 103 |  |  |  |  |

1. Name the metals that have similar properties to tin.
2. Name the elements that have properties similar to chlorine.
3. Complete the following periodic table. Do NOT use your periodic table to find the mass of the element.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Symbol** | **Atomic**  **Mass** | **Atomic**  **Number** | **Number**  **Protons (+)** | **Number**  **Neutrons (n)** | **Number**  **Electrons (-)** |
|  |  | **22** |  |  |  | **11** |
|  |  |  | **53** |  | **74** |  |
|  |  | **75** |  | **33** |  |  |
|  | **Ag** |  |  |  | **61** |  |
|  |  |  |  | **26** | **30** |  |
|  |  | **200** |  |  |  | **80** |
| **Potassium** |  |  |  |  | **20** |  |
|  |  | **122** |  | **51** |  |  |

**Uses of Metals**

*Directions*: Write the names of the correct metals in the spaces provided. A word bank has been provided.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | I am the metal that is a major component of steel. |  |  |  |  |  | **I** | \_ | \_ | \_ |  |  |  |  |  |
| 2. | I am a metal used in the wheel covers of many cars. |  |  |  |  |  | **M** | \_ | \_ | \_ | \_ | \_ | \_ | \_ | \_ |
| 3. | I am a metal used in electrical wiring. |  |  | \_ | \_ | \_ | **P** | \_ | \_ |  |  |  |  |  |  |
| 4. | I am an alloy of copper and tin. |  |  |  | \_ | \_ | **O** | \_ | \_ | \_ |  |  |  |  |  |
| 5. | I am a radioactive metal used in medicine. |  |  |  |  |  | **R** | \_ | \_ | \_ | \_ | \_ |  |  |  |
| 6. | I am a very strong alloy of iron. |  |  |  |  | \_ | **T** | \_ | \_ | \_ |  |  |  |  |  |
| 7. | I am the alloy of copper and zinc. |  |  |  | \_ | \_ | **A** | \_ | \_ |  |  |  |  |  |  |
| 8. | I am a metal used as roofing, foil, and cans. |  |  |  | \_ | \_ | **N** |  |  |  |  |  |  |  |  |
| 9. | I am a metal used in fine jewellery. |  |  | \_ | \_ | \_ | **T** | \_ | \_ | \_ | \_ |  |  |  |  |
| 10. | I am a metal used in soft drink cans. |  |  | \_ | \_ | \_ | **M** | \_ | \_ | \_ | \_ |  |  |  |  |
| 11. | I am a metal used for X-ray protection. |  |  |  |  | \_ | **E** | \_ | \_ |  |  |  |  |  |  |
| 12. | I am a metal used in lamp filaments. | \_ | \_ | \_ | \_ | \_ | **T** | \_ | \_ |  |  |  |  |  |  |
| 13. | I am a metal used in nuclear reactions. |  |  |  | \_ | \_ | **A** | \_ | \_ | \_ | \_ |  |  |  |  |
| 14. | I am a metal used for Olympic winners. |  |  |  | \_ | \_ | **L** | \_ |  |  |  |  |  |  |  |
| 15. | I am a metal used in many coins. |  |  |  |  |  | **S** | \_ | \_ | \_ | \_ | \_ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

*WORD LIST:*

*URANIUM LEAD IRON GOLD COPPER BRONZE SILVER TIN ALUMINUM TUNGSTEN MAGNESIUM RADIUM PLATINUM STEEL BRASS*