

## Periodic Table & Ionic Compounds Practice Worksheet

<b>Name:</b>		<b>Date:</b>	
<b>Grade &amp; Section:</b>		<b>Total Score:</b>	

### Part 1: Periodic Table Identification

Directions: Fill in the missing information for each element using a Periodic Table.

No.	Element Name	Symbol	Atomic Number	Atomic Mass	Group	Period	Classification
1	Oxygen				16	2	
2		Li	3				
3				196.97	11	6	
4	Chlorine		17				
5			20		2	4	
6	Argon	Ar			18		
7		Si		28.09			
8			26		8	4	
9	Potassium			39.1			
10			54		18	5	
11	Aluminum	Al				3	
12			80		12	6	
13	Phosphorus		15				
14		Br		79.9			
15			50		14	5	
16	Nitrogen	N			15	2	
17			11		1	3	
18	Silver		47				
19			9		17	2	
20	Carbon			12.01	14	2	

## Part 2: Basic Ionic Compounds

Directions: Identify the metal and non-metal ions with their charges (e.g.,  $\text{Na}^{1+}$ ). Use the criss-cross method to write the Chemical Formula and the Compound Name (ending in "-ide").

No.	Reacting Elements	Metal Ion	Non-Metal Ion	Chemical Formula	Compound Name
1	Magnesium + Fluorine				
2	Sodium + Sulfur				
3	Aluminum + Oxygen				
4	Calcium + Nitrogen				
5	Barium + Chlorine				
6	Potassium + Iodine				
7	Lithium + Phosphorus				
8	Beryllium + Oxygen				
9	Cesium + Bromine				
10	Aluminum + Sulfur				