

**Unit 5 Worksheet 1 (U5W1) Section 6.1 (There are 6 questions)**

- How were the periodic tables arranged by Mendeleev and Moseley similar? \_\_\_\_\_
- How were the periodic tables arranged by Mendeleev and Moseley different? \_\_\_\_\_
- What is the benefit of the current arrangement of the periodic table? \_\_\_\_\_
- Fill out the following chart using your periodic table

Element Name	Element Symbol (Pay attention to diatomics)	Period	Group	Metal, nonmetal, or metalloid	# of valence electrons
Hydrogen					
Lithium					
Silver					1
Sulfur					
Chlorine					
Arsenic					
Lead					
Manganese					2
Magnesium					
Iron					2

- Indicate the properties of metals, nonmetals, and metalloids. You can make a list, make a concept map, or make your own table. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- What are 2 elements that are similar to Iodine? \_\_\_\_\_

**Unit 5 Worksheet 2 (U5W2) Section 6.2 (There are 4 questions)**

- What is a cation? How is it formed? \_\_\_\_\_
- What is an anion? How is it formed? \_\_\_\_\_
- Fill in the following table:

Category	Group #	Metal or nonmetal	Number of valence electrons	Charge of ions formed by gain or loss of electrons
Alkali				
Alkaline Earth				
Halogen				
Noble Gas				

- Which is the group that is not reactive? Why are they not reactive? \_\_\_\_\_  
 \_\_\_\_\_