Name: _____ Period: _____ Date: _____/_____/_____

The Periodic Table

Directions: *Use Chapter 4 Section 2 and the Periodic Foldable to complete this worksheet.*

1. List the atomic numbers of the elements in Period 2.

   _____ _____ _____ _____ _____ _____ _____ _____

2. List the symbols of the elements in Period 2.

   _____ _____ _____ _____ _____ _____ _____ _____

3. Name the elements in Period 2 that are metals. _____ _____

4. Name the elements in Period 2 that are nonmetals. _____ _____

   _____ _____ _____

5. Which element in period 2 has the least mass? _____

6. Which element in period 2 has the most mass? _____

7. To which group/family does each of these belong?

   A. Sulfur _____ B. Sodium _____

   C. Argon _____ D. Silicon _____

   E. Chlorine _____ F. Phosphorus _____

8. The symbol for Iron in Fe. Find iron on the periodic table.

   A. What is the atomic number of iron? _____

   B. To which period does iron belong? _____

   C. To which group does iron belong? _____

Name the elements that have many properties like iron. _____ _____

_____ _____

Using the Periodic Table

Fill in the chart below. The first row has been completed as an example.

Element	Symbol	Atomic Number	Period	Group
Sodium	Na	11	3	1
	O			
Krypton				
		79		
			5	12
			4	7

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Fill in the Blank: Use the word bank provided to complete the sentences.

nonmetal	more	family	group	left	periodic table
metal	metalliod	period	right	properties	atomic number

1. The chart that lists the elements in an organized way is called the _____.
2. The periodic table lists the elements according to _____.
3. Elements in the same row across belong to the same _____.

4-5. Elements in the same column down belong to the same _____or_____.

6. Elements in the same group or family share important _____.

7-9. An element is identified as either a _____, _____, or a _____.

10-11. On the periodic table, metals are located on the _____ side and nonmetals are locates on the _____ side.

12. There are _____ metals than nonmetals.

Reaching Out: Bonus Points

1. Who created the first periodic table? _____
2. How did this Russian scientist first arrange the elements? _____
3. Who "modernized" the periodic table? _____
4. How did he rearrange the elements? _____

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