

Name:

Date:

Period:

Periodic Table Practice

1. Write the chemical symbol for the element that is located in the following groups and periods. (Use the Periodic Table in your Agenda for tonight's homework.)

a. _____ group 4, period 5

e. _____ group 16, period 6

b. _____ group 2, period 2

f. _____ group 17, period 3

c. _____ group 6, period 6

g. _____ group 11, period 5

d. _____ group 18, period 1

h. _____ group 5, period 4

Short Answer:

11. How do you find the number of protons? _____

12. How do you find the number of electrons? _____

13. How do you find the number of neutrons? _____

14. Which part(s) are located inside the nucleus? _____

15. Which part of the atom is negative? _____

16. Use your best friend to fill in the table:

Name	Symbol	Atomic Number	Mass Number	Protons	Electrons	Neutrons
Beryllium			9		4	
	Cs	55				
Zirconium				40		51
		50		50	50	
Fluorine			19			10
	Br	35				
	Xe		131			
Mercury				80		
		24	52		24	

Practice makes permanent.

Name	Symbol	Atomic Number	Mass Number	Protons	Neutrons	Electrons
Magnesium	Mg			12		12
		14	28	14		14
Potassium	K				20	
Krypton		36		36		36
	F		19		10	
Iron		26		26		26

Short Answer (Part 2):

1. Which part of the atom has no charge and is located inside the nucleus? _____
2. Which part of the atom is positive (+1) and located inside the nucleus? _____
3. Which part of the atom is negative (-1) and is located outside the nucleus? _____
4. How is the Periodic Table organized? _____
 - a. What does the atomic number tell you? _____
5. Where are metals located on the Periodic Table? _____
6. What are 3 characteristics of metals?

7. Where are non-metals located on the Periodic Table? _____
8. What are 3 general characteristics of non-metals?

9. What type of element has properties of both metals and nonmetals? _____
10. What is one characteristic of this type of element?