	Name:		_		Date:	
Ghamestare						
The Periodic Table and Periodicity						
Directions: Answer each of the following questions. You need not use complete sentences.						
Bricking Street at the following questions: You need not use complete semeness.						
1.	What is the periodic law? The properties of the elements repeat periodically					
2.	By what property did Mendeleev arrange the elements? Atomic Mass					
3.	Who first published the classification of the elements that is the basis of our periodic table today? Dmitri Mendeleev					
4.	. What is a period? How many are there in the periodic table?					
	A horizontal row in the periodic table. There are seven periods					
5.	By what property did Moseley suggest that the periodic table be arranged? Atomic Number					
6.	What is a group (also called a family)? How many are there in the periodic table? A vertical					
	column in the periodic table. There are 18 groups					
7.	Give the names and chemical symbols for the elements that correspond to these atomic					
	numbers:					
	a. 10 Ne; Neon	b. 18 Ar	, Arg	on		
	Ne; Neon	Ar; Argon				
	c. 36 Kr. Krypton	d. 90 Th	ı: Tho	orium		
	Kr; Krypton	Th; Thorium				
8.	Which of the following pairs of elements belong to the same period?					
		b. Na and Li		Na and Cu		
9.	List, by number, bot	th the period and	d gro	up of each o	of these elements.	
		Symbol	Per	iod	Group	
	a. beryllium	Ве	2		2	
	b. iron	Fe	4		8	
	c. lead	Pb	6		14	
10. State the number of valence electrons in an atom of:						
	a. chlorine	b. arsenic	c.	calcium	d. sulfur	
	7	5		2	6	