Periodic Table Basics	Name	
1. Which elements had complete outer shells? Giv	e the name and symbol for each.	
2. What do you notice about the location of the eler	nents in #1?	
3. Which elements had only one valence electron?		
4. What do you notice about the location of the eler	nents in #3?	
5. What do you notice about the number of valence row or period in the periodic table? (Na → Mg → A	•	right across a
6. What do you notice about the number of energolumn in the periodic table? (H → Li → Na)	gy levels or shells as you move d	own a group or
7. Elements are organized into families according to elements that you used in Step 5 that belong t electrons. Give the name and symbol for each elements	o each family based on the num	ties. Identify the ober of valence
Alkali Metals - 1 valence electron	&	
Alkaline Earth Metals - 2 valence electrons	&	
Boron Family - 3 valence electrons	&	
Carbon Family - 4 valence electrons	&	
Nitrogen Family - 5 valence electrons	&	
Oxygen Family - 6 valence electrons	&	
Halides - 7 valence electrons	&	
Noble Gases - Complete outermost shell	_	
8. What do you notice about the location of the elen		
9. How would you classify hydrogen? Why?		
10. Predict the number of valence electrons for each of Elements. You will need to use the table in your		e Periodic Table
Barium = Lead = Xe	non = Potassium =	