NA	AME	DATE	CLASS	
S	TUDY GUIDE			Chapter 17
Use	The Periodic Table is the periodic table in your reference to the after the questions.	ables as needed to answe	r the following questions. P	lace your answers on the
1.	List two types of information that are	given in each box of this	periodic table.	
a.				
b.				
2. I	In this table, where are the metals locate	ted?		
3. V	Where are the nonmetals located?			
4.	What are the elements in groups 3 th	rough 12 called?		
5.	What are the elements called that are	next to the stair-step-shap	ped line on the right side of	the table?
6.	What do we call the letter or group of	f letters that represents an	element?	
7.	How many elements are included in t	the modern periodic table	?	

8. What name is given to the elements in group 18?

What name is given to all vertical columns in this table?

10. What name is given to each horizontal row in this table?

NAME		DATE	CLASS					
ENRICHMENT Chapter 1'								
The Periodic Table								
Several scientists, i elements according to t Scientists used this fact Review electron ar In Table 1, write th Write the total number number of electrons to	EMENT'S GROUP AND P including Newlands, Meye their properties. They found to predict properties of un rangement from your textle the maximum number of electrons for each elemn each energy level.	er, and Mendeleev workerd that these properties rendiscovered elements. book. bectrons that can fill each ent in the first column later on the six elements study.	epeated in a regular or per energy level on the blank abeled Total. For each ele	riodic manner.				
Table 1 Electrons								
Element	Total	Level 1	Level 2	Level 3				
Argon								
Carbon								
Helium								
Lithium								
Silicon								
Sodium								
		Table 2						
Element	Energy level of outer electrons	Located in period	Number of outer electrons	Located in group				
Ar								
С								
Не								
Li								
Si								
How is the element's period related to the number of energy levels over which its electrons are spread?								
2. How can you predict an element's group and period?								