Chemistry:	Form	WS3.2.1A

PERIODIC TABLE

Date Period

Name _____

How is the Periodic Table Arranged?

Below is a portion of the periodic table. In the answer spaces provided in the table, fill in the [1] atomic number, [2] electron configuration, [3] number of shells, and [4] number of outer shell electrons as indicated in the key below. Then, answer the questions that follow.



PERIODIC TABLE

Answer the questions below by referring to the data on the table you filled in on the first page.

1. In what order are the elements of the *Periodic Table* arranged?

2. What do all the elements in a vertical column of the *Periodic Table* have in common?

3. What do all the elements in a horizontal row of the *Periodic Table* have in common?

4. By what two characteristics are all the elements of the Periodic Table placed in a particular row and column?

5.	Imagine element number 15 had never been discovered. What characteristics would you predict it to have based on its location								Не
			Be	В	С	Ν	0	F	Ne
	on the periodic table?	Na	Mg	Al	Si	?	S	Cl	Ar
		K	Ca						

6. Which element has 3 outer electrons and 2 shells?

7. How is helium different from neon and argon? How is it similar?