## Mr. Murray, IPC IPC Textbook Guided Reading – Chapter 19

Name:	 
Period:	

(Start after finishing your test; turn in when done.)

lithium and oxygen:

1.	Most matter is made up of c Most pure elements eventually r with other elements or compounds. (p.319)	
2.	When atoms combine to make molecules they form cb	
3.	The maximum number of valence electrons an atom can have is e	
4.	In order to achieve 8 valence electrons, atoms will lose, gain, or share them to become chemically stable. This is known as the or	
5.	Lithium has how many valence electrons? (p.320)	
6.	Will lithium gain or lose its valence electrons?	
7.	Elements in column 2 have valence electrons. (p.321)	
8.	To show the number of valence electrons, we often use d d (p.322)	
9.	In dot diagrams, the number of dots placed around the symbol of the element is equal to the number of $v_{}e_{}$ .	
10.	I b are formed when atoms gain or l electrons.	
11.	When atoms gain or lose e they become i, or atoms that have an electrical charge. (p.323)	
12.	When sodium loses one electron it becomes an ion with a charge of	
13.	A sodium ion and a chlorine ion are attracted to each other and form an ib	
14.	Most atoms s electrons in order to gain a stable octet.	
15.	When atoms share electrons to bond a cb	
16.	When two atoms of the same element combine in a covalent bond d m	
17.	Bonds between a metal and nonmetal tend to be i (p.324)	
18.	Bonds between nonmetals can be classified as c	
19.	Atoms in the first two columns want to g r of electrons to get a full octet.	
20.	Because sodium chloride is a compound made out of ions, it is called an i c (p.326)	
21.	Sodium has a charge of +1 and chlorine has a charge -1, when they combine the net electrical charge is z	
22.	All compounds have an electrical charge of zero; that is they are n	
23.	Since sodium loses an electron to become Na+ (+1), we say it has an o n of 1+.	
24.	What is the oxidation number of Beryllium?	
25.	PROBLEM: Using the oxidation numbers from page 327 and the process on page 328, write the formula a chemical with	