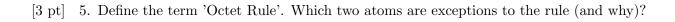
p. 381-385			CHE 111 - Homework - Ch 4a Lewis Symbols and Ionic Bonds				Score:	/40
Name:					D	ate:		
[2 pt]	1. What is the prima	ry reason ionic	chemical bo	onds form?				
[8 pt]	2. Complete the follo	wing statemen	ts					
	(a) Ionic bonds f	form between $_$		and				
	(b) Ionic compou	unds tend to ar	range thems	elves into a tig	htly bound		_structure	
	(c) Cations are fo	rmed by	eleo	ctrons while ani	ons are formed b	ру	ele	ctrons.
	(d) The electrosta inversely prop	atic attraction to the		-	rectly proportio	nal to the		and
					nolecules with . dissolved in wa		boilin	g and
[3 pt]	3. What do each of t	he following re	present in L	ewis Structure	Terminology:			
	(a) :							
	(b) ·							
	(c) []							
	(d) -							
[4 pt]	4. Complete the Lew	is Structures fo	or the second	l row of the pe	riodic table belo	ow.		
	Li Be	В	C I	N O	F	Ne		



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- [4 pt] 6. Show how a potassium cation is formed from a neutral potassium atom using:
 - (a) Picture
 - (b) Chemical Reaction
 - (c) Electron shell configurations
 - (d) Lewis Structures
- [4 pt] 7. Show how a nitrogen anion is formed from a neutral nitrogen atom using:(a) Picture
 - (b) Chemical Reaction
 - (c) Electron shell configurations
 - (d) Lewis Structures

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[6 pt] 8. Explain in terms of (1) Electron Configurations, (2) Lewis Structures and (3) Words, how the ionic bond is formed ion the following reaction: $Mg(s) + Cl_2(g) \longrightarrow MgCl_2(s)$.

[6 pt] 9. Explain in terms of (1) Electron Configurations, (2) Lewis Structures and (3) Words, how the ionic bond is formed ion the following reaction: $2Na(s) + O(g) \longrightarrow Na_2O(s)$.