Covalent and Ionic Bonding Worksheet II

A. Compare an	d Contrast ea	ch of the following by	citing an example for each	ch:
1. anion and	cation			
2. oxidation a	and reduction			
3. IE and EA				
4. ionic and c	ovalent			
5. compound	and molecule	e		
		Method, indicate the shatom in these groups.	nape that can be predicted	for a
<u>Example</u>	<u>Shape</u>	# of bonded pairs	# of non-binding pairs	
7) III A				_
8) VI A				_
9) II A				
10) IV A				-
11) I A. VII A				

12)	V A		
	Draw the Lewis Structures for each of the any Lone Pairs on the Central Atom	he following co	mpounds or molecules. Circle
13)	CCl ₄	17) H ₂ O	
14)	BF_3	18) NH ₃	
15)	SiBr ₄	19) PI ₃	
16)	Te ₂ O	20) H ₂ S	
D.	Using electronegativity differences, pred (show your work)	dict the type of	bond that would be formed in:
	21) LiCl		22) Mg ₃ N ₂
	23) HI		24) SeO ₃
	25)BaF ₂		26) H ₂ Se