	Name:	Name:	
Chamiatrus Chantas E Study Oversions	Hour:	Date:	
Chemistry: Chapter 5 Study Questions			
Why do atoms form chemical bonds?			
2. Explain how the octet rule predicts the stability or reactivity	of atoms.		
3. When atoms bond, what happens to their:stability?		energy?	
4. What is bond energy?			
5. Describe how an atom becomes:positively	charged.	negatively charged.	
6. What group of elements have a stable octet in their natura	I state?		
7. Define ion, anion, and cation. Describe how anions and ca	ations are formed.		
8. All salts are held together by what type of bonds?			
9. List some physical and chemical properties that all salts sh	nare.		
10. Describe the energy changes an atom experiences if elec	ctrons are:		
added to the atom.			
taken away from the atom			
11. List some differences between metals and salts.			
12. Explain how metallic bonding gives metals their unique p	roperties.		
13. Explain why the ionization energy needed to remove <i>the</i> electron that is removed.	next electron from an at	om increases with each	

14. What are hydrates and what are they used for?