•		for IMFs and R	edox Post-Test	Name:					
Chemistry 2 points DUE AT POST-TEST (5/2)			ST-TEST (5/2/13)	Date:	Hour:				
2 point		DUETTIO	(3/2/13)	Date	110u1.				
Topics		pts covered on	•	_					
	intramolecular forces intermolecula electronegativity boiling point/s				1 2				
	redox		oxidation	/melting point	polarity of molecules reduction				
		eactions	balancing eq	uations	10ddottott				
Practic	ce prob	lems:							
1.	How are intermolecular forces and intramolecular forces different? Include an example of								
	each.								
	cacii.								
2.	What makes a bond polar?								
3.	List the three types of intermolecular forces.								
4.	Which	Which would have a higher melting point, a chemical with dispersion or a chemical with							
	hydrogen bonding? Explain your answer.								
5.	Describe dipole-dipole interaction.								
6.	Describe hydrogen bonding.								
7.	Use an electronegativity table (from the reading assignment or textbook) to decide if the								
	following bonds are ionic, polar covalent, or nonpolar covalent:								
			Electronegativity Difference	Type of I	Bond If polar partial o	-			
	ex>	C - O	1.0	polar cov	alent δ + C-	Ο δ-			
	a)	F - S							
	b)	Li - Cl							
	c)	I - I							
8.	ŕ								
		1							

9.	(a) What is the name of the symbol δ ?								
	(b) What does it mean in chemistry?								
	(c) When is it used in chemistry?								
10.	Which would have a higher boiling point, a solid or a gas?								
11.	<u>Draw the structures</u> of the following molecules and <u>decide if they are polar or nonpolar</u> :								
	(a) carbon dioxide	(b)	heptane						
		(1)							
	(c) water	(d)	cyclobutane						
12.	Look at the following structures. Decide if they are polar or nonpolar:								
	(a) on	(b)	Ę						
	нзс-с-снз		F-C-F						
	CH 3		F						
13.	What type of intermolecular forces would the following molecules have?								
	(a) H ₂	(c)	H ₂ S						
	(b) HCl	(d)	HF						
14.	Balance the following reaction equation:								
	KBr> K	+	Br_2						
	(a) Assign each atom a charge(b) List which two elements change charge during the reaction:(c) Write and balance the half-reactions for those elements:								
	(d) What element undergoes oxidation?								
	(e) What element undergoes reduction?								
15.	Balance the following reaction equation:								
	Mg + HCl	>	$MgCl_2 + H_2$						
	Write and balance the half-reactions. Which element is oxidized? Which is reduced?								