Study Guide – Weekly Quiz #14 Chemistry		Name:								
2 poin	nts <u>DUE AT QUIZ</u> (WEI). , 4/23/14)	Date:	Hour:						
Topic	es/concepts covered on quiz: stoichiometry coefficients states of matter use of activity series mole ratios	mole stoichi balancing ec precipitates single displa naming ioni	quations	mass stoichiometry excess use of the solubilit double displaceme formulas of ionic of	y chart ent					
Practi	ice questions:									
1)	What is stoichiometry?									
2)	What do the coefficients in a	do the coefficients in a balanced equation stand for?								
3)	How many moles of water can be made from 3.72 moles of C_7H_8 and excess oxygen gas?									
	$\underline{}$ C_7H_8 + $\underline{}$ O_2	>(CO ₂ +	H ₂ O [14.9	mol H ₂ O]					
4)	How many grams of copper (I) sulfide can be made from 3.60 g of copper (I) chloride and excess hydrogen sulfide? [2.89 g]									
	CuCl +	$H_2S \longrightarrow$	Cu ₂ S + _	HCl						

		-	sphate?			[42.4 g]	
Na ₃ PO ₄	+	_ CoCl ₂	_>	_ Co ₃ (PO ₄) ₂	+	NaCl	
Single Displacement Reactions: - predict the products using a word equation - if there will be no reaction, write "no reaction"							
(a) magnesium	+	aluminur	n chloride	>			
(b) silver	+	copper (I	I) sulfate	>			
 <u>Double Displacement Reactions</u>: - predict the products using a word equation - use the solubility of salts chart to determine states of matter - if there is a precipitate formed, write out the equation in symbols and balance it 							
(a) aluminum chlori	de +	sodium s	ulfide —>				
(b) calcium hydroxid	de +	hydrogen	phosphat	e —>			
Write out three mole ratios for the following balanced equation:							
	C_9H_2	₀ + 14 O ₂ -	> 9 CO ₂	+ 10 H ₂ O			
Write out the formulas for the following ionic compounds: (a) sodium fluorida (b) sodium fluorida							
` '							
	- predict the - if there will (a) magnesium (b) silver Double Displacement - predict the - use the solut - if there is a (a) aluminum chloric (b) calcium hydroxid Write out three mole Write out the formula (a) sodium fluoride	- predict the products - if there will be no re (a) magnesium + (b) silver + Double Displacement Reaction - predict the products - use the solubility of the region if there is a precipit (a) aluminum chloride + (b) calcium hydroxide + Write out three mole ratios for the C ₉ H ₂ Write out the formulas for the (a) sodium fluoride	- predict the products using a w - if there will be no reaction, where we have a substitute of the product of the solution of the product of the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reaction. - predict the products using a will be no reaction, where the products using a will be no reaction, where the products using a will be no reaction, where the products using a will be no reaction, where the product of the products using a will be no reaction, where the products using a will be no reaction, where the products using a will be no reaction, which is the products using a will be no reaction, which is the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reaction, which is the products using a will be no reactions: - predict the products using a will be no reaction. - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - predict the products using a will be no reactions: - p	- predict the products using a word equati if there will be no reaction, write "no reaction to the solution of the solution	- predict the products using a word equation - if there will be no reaction, write "no reaction" (a) magnesium	- predict the products using a word equation - if there will be no reaction, write "no reaction" (a) magnesium + aluminum chloride> (b) silver + copper (II) sulfate> Double Displacement Reactions: - predict the products using a word equation - use the solubility of salts chart to determine states of matter - if there is a precipitate formed, write out the equation in symbol (a) aluminum chloride + sodium sulfide> (b) calcium hydroxide + hydrogen phosphate> Write out three mole ratios for the following balanced equation: $C_9H_{20} + 14 O_2> 9 CO_2 + 10 H_2O$ Write out the formulas for the following ionic compounds: (a) sodium fluoride (c) copper (II) sulfide	