Name:					Period:	Seat	#:		
	: Try these proble NOT do them, wr					study to succeed at	these problems.		
<u> S68 – Qւ</u>	iick Check #1								
☐ Form									
Quickly write the formal Molality				concent			Molowitz		
	Wiolanty		Weight Percent		Mole Fraction	Molarity			
☐ Dissec	cting a Given C	oncentration		1		,			
Th	e concentration	of a NaOH so	lution is 0.25	m. Thi	s translates into (	0.25 and 1.0			
0.2	25 =		and 1.0	0 =					
Th	e concentration	of a HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>	solution is 5.	.00% by	weight. This tra	anslates into 5.00	and 100.		
5.0	00 =	a	and 100 =		an	nd 95.0 =			
		4	41						
∟ Cnan	ge one concenti	ation into and	otner						
Но	ousehold vinega	is labeled as	5.00% by wei	ght. It	has a density of 1	1.01 g/mL. Fill in	the chart.		
	mass (grams)	moles (mol)	volume (L)	rore	Molality	Mole Fraction	Molarity		
solute									
solvent				HEINZ					
sorvent									
solution									
Տ69 – Qւ	ıick Check #2			_					
☐ Termi									
		·			is the oxid	0 0			
In the	first reaction,	is §	getting reduce	ed	is the redu	cing agent.			
In the	second reaction	, :	is getting oxic	dized	is the o	oxidizing agent.			
In the	second reaction	,	is getting redu	uced	is the re	educing agent.			

	Zn(s) + HCl(aq) = +				$Fe(s) + CuSO_4(aq) = \underline{\hspace{1cm}}$				
		Reactants	Products			Reactants	Products		
	Zn				Fe			_	
	Н				Cu				
	Cl				S				
'n –	Quic	k Check #3			О				
	Conc	ration entrated sulfu is the molari		tains very little v d?	water, only :	5.0% by mas	s. It has a d	ensity of 1.8	34 g/mL
								Glycerol	
] Pa	how 1	n 1 mole of ea many moles o	of particles ar	llowing solutes or re in the solution an't Hoff factor,	n?	water,	<i>н</i> н н	H -C-OH -C-OH -H	trihyda alcoho
		NaCl	_ glycerol	sugar	Ca(1	NO <sub>3</sub> ) <sub>2</sub>	KNO <sub>3</sub>		KCl
<u>'1 –</u>	Quic	k Check #4							
Ra	oult's	Law	Write the	formula for Rao	ult's Law:	P <sub>solution</sub> =	Ξ		
	The v	apor pressure	e of pure H <sub>2</sub> O	ng 164 g of glyc O at 40.0 °C is 5 is 0.992 g/mL.	4.74 torr.				
	The c				n? How mo	ny moles of	water?		
a)		many moles	of glycerin a	re in this solutio	ni: 110w ma	•			
a) c)	How	·		re in this solution					