CH5: Solutions

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1	Molarity is the number ofof solute dissolved in 1L of solution					
	grams	Milliliter	second	moles		
2	Molality is the number o	f moles of	dissolved in 1 I	Kg of solvent.		
	solvent	Solute	solution	Acid		
3	Molarity is the number of moles of solute dissolved 1of solution					
	grams	Milliliter	Liter	moles		
4	A solution has a volume of 2.0 L and contain 36.0 g of glucose ($C_6H_{12}O_6$). IF The					
	molar mass of glucose is 180 g/mol . what is the molarity of the solution					
	1.0	1.00	0.1	0.01		
5	How many liers of 0.25 M NaCl solution must be measured to obtain 0.1 mol o NaCl					
	1	2	2.5	3.5		
6	What is the concentratio	n of solution mol/	I when 80g of cal	cium carbonate		
	Ca(CO3)2, is dissolved in	2L of solution ? (Mw $Ca(CO_3)_2 = 10$	0 g/mol)		
	0.4	4	0.004	1		
7	A student needs to prepare 250ml of $Cd(NO_3)_2$ Solution . how many grams of					
	cadmium nitrate are req					
	5.9	5.1	5.4	5.6		
8	When it is correctly balanced, the correct coefficients for the equation below are $PCI_3 + H_2O> H_3PO_3 + HCI$					
	1, 3, 1, 3	1, 3, 1, 1	1, 1, 1, 3	2, 3, 2, 3		
9	What is the coefficient for CO_2 when the following chemical equation is pro-					
	balanced using the smallest set of whole numbers? $C_4H_{10} + O_2> CO_2 + H_2O$					
	1	2	4	8		
10	What is the coefficient for CO_2 when the following chemical equation is properly balanced using the smallest set of whole numbers? $C_2H_5 + O_2> CO_2 + H_2O$					
11	3 5 9 2					
	Acid + base					
	Oxidation reaction Reduction reaction Participation reaction Neutralization reaction					
12	Process of lose electron from an atom call Mg \rightarrow Mg ⁺⁺ + 2e ⁻					
	Oxidation	Reduction	Participation	Neutralization		
13	Process of accepted (gair	ו) electron from a	n atom call Cl ₂	+ 2e ⁻ → 2Cl ⁻		
	Oxidation	Reduction	Participation	Neutralization		
14	14 What is the molality of solution when 50g of calcium carbonate $CaCO_3$, is diss					
	(500g of water?(Mw C		Γ	Γ		
	1.6 m	0.61m	1 m	0.1 m		
15	Acid + base slat +					
	Water	Acid	base	Benzene		

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16	$Pb(NO_{3})_{2(aq)} + 2NaI_{(aq)} \longrightarrow PbI_{2(s)} + 2NaNO_{3(aq)}$					
	Oxidation –reduction reaction	Neutral reaction	Precipitate reaction	None		
17	Which of the following represent molar concentration except					
	Molarity	Molality	Normality	Weight / weight		
18	is the number of mole of solute dissolved solution					
	Normality	Molality	Molarity	Mole fraction		
19	is the number of mole of solute dissolved one liter of solution					
	Normality	Molality	Molarity	Mole fraction		
