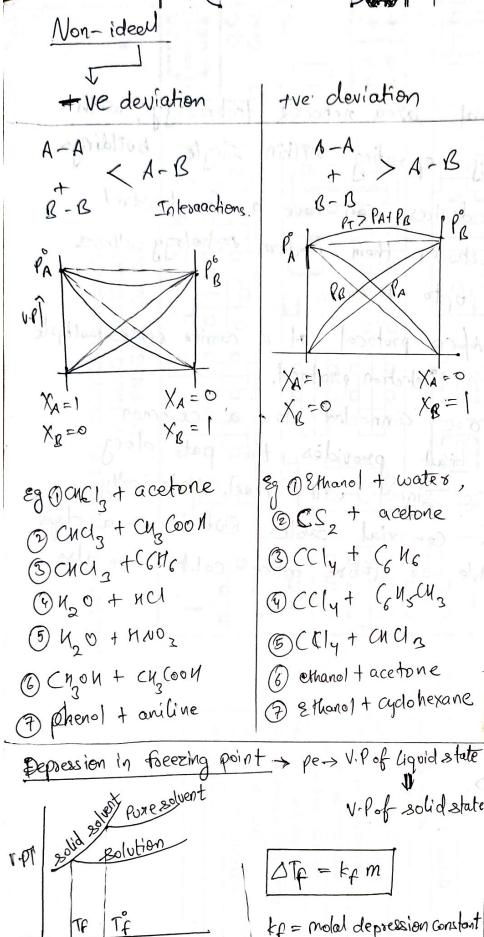
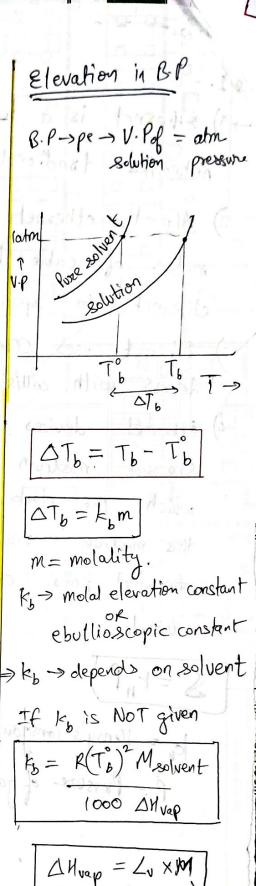
solutions mole fraction in vapour phase  $y_A = \frac{P_A}{P_T}$   $y_B = \frac{P_B}{P_-}$ S=KHP kn = Meny's constant, 2 Non-volatile solution. where : S = solubility P -> pressure of gas | PA = PA XA - PA = PA (1- XR) 2) Mole fraction PA = PA - PA TB PAXB = (PA - PA) - lowering:p  $\left[ \begin{array}{ccc}
 A & B \\
 NA & NA 
 \end{array} \right]
 \begin{array}{c}
 X_A = \frac{N_A}{N_A + N_B}
 \end{array}$  $\int B = \frac{n_B}{n_A + n_B}$ XA + XB= 1 3 Molosuity: no ob noteo? - Colligative proposties: volume of solution (in L) i Osmotic presoutle 2 Relative lowering in u.P 3 Depression in freezing 4) Molality: mass of solvent (in leg) ---- Boiling point. m = no. of moles of solute (5) 1 molal => 1 mole of solute in Ideal colutions solvent-solvent ~ A - B ~ solvent - solvte 1000g of solvent. (6) Rapolt's law: solule-solute @ Tooo\_volatile solution Cord" safity: 10 obey Rowlits law @ DHmix =0 (No energy evolved on absorbed)  $P_A = P_A \chi_A$ PB = PB XB (1) Allmix = 0 ( No expansion on contraction) ey + benzene + tolvene PT = PA + PB I chlosopensene + promobenzene PT = PAXA + PBXB Ln-hexane + n-heptane ethyl iodide + ethylbromide



V-Pof solid state kf = molal depression constant Coyoscopic constant kf -> depends on solvent  $\Delta T_f = T_f - T_f$ m -> molality.

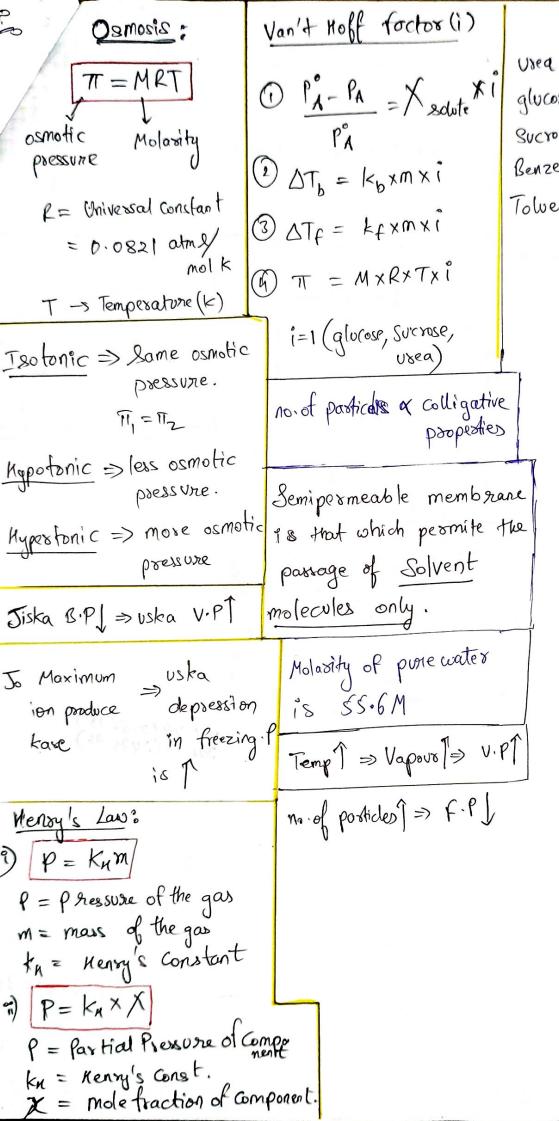


Zatent

Heat

of Up

Molay



Vsea 60 g/mol
glucose 180 "
Sucrose 342 "
Benzene 78
Tolvene 92

Van	formula		
O Indian salt petre	KNO3	1 Glauber's salt	Na2 Soy 10420
1 Chile salt petre	Na Noz	1 Slaked lime	(a COH)2
3 Milk of Magnesia	Mg(01)2	1 (ime stone (Mark	d) Cacoz
(austic soda	Naok	(4) Quick lime	60
(E) Courtic potasti	KOH	@ Soda ash	Nag Co3
@ planter of Paris	Casoy. 1/2 1/2	1	
(T) Gypsum	Casoy. 242	- 0	
1 Dead burnt plaster	Cason	3 Rrine	
9 Caliche N	Va NO3 + Na IO2 ( Nitrolion CaC2+N2 - CaCN2		
@ Epsom's salt	4g Soy . 7120	20 Baking soda	The second secon
Charge on Dispersed partides.			
	Negatively changed sols		
1. Hydroated metallic	) Metals, Cu, Ag, Au Sols metallic sulphides		
oxides Algoz. XH20	As2S2, Sb2S3, Cds		
Co03.2120			
Fezo, x 1/20	S desid and object to the		
2) Basic dye stulf,	2) Acid dye Stuff, eosin, congo red sol		
methylene blue sols 3) Naemuglobin (Blood)	3) sols of starch, gum		
4) Oxides: TiO2 sol	u) Gelatin, clay, grm sols		