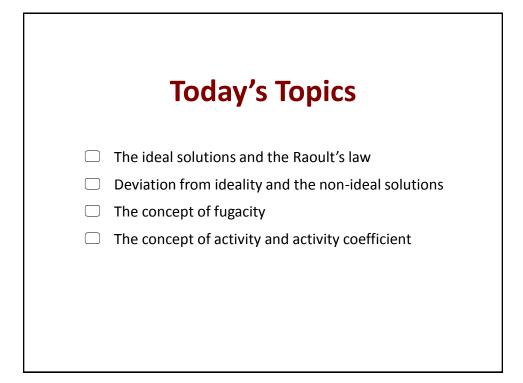
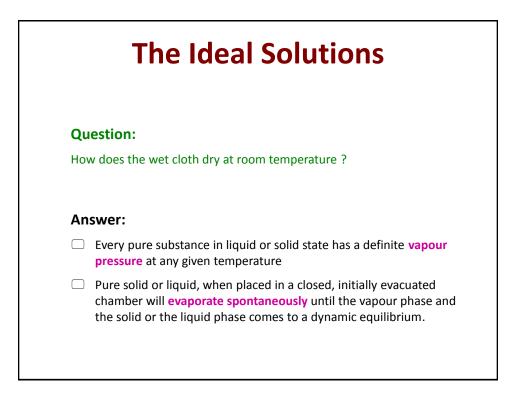


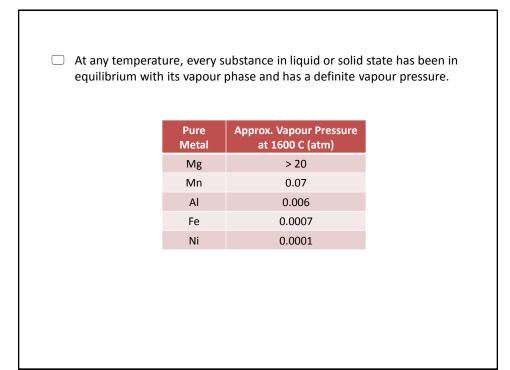
The Ideal and Nonideal Solutions

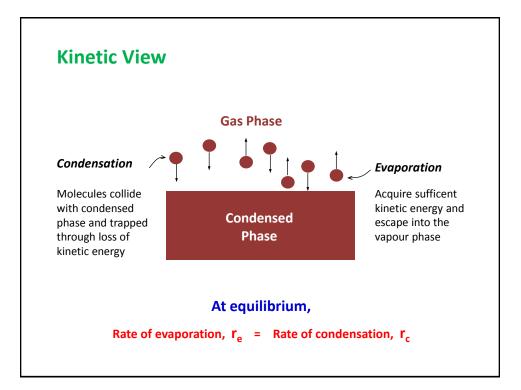


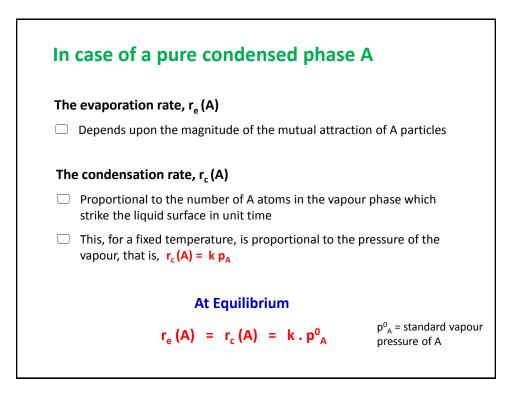
A. K. M. B. Rashid Professor, Department of MME BUET, Dhaka

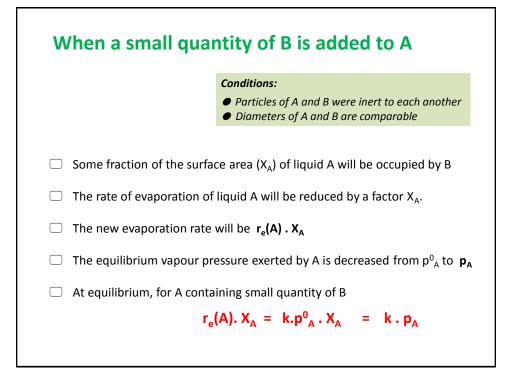


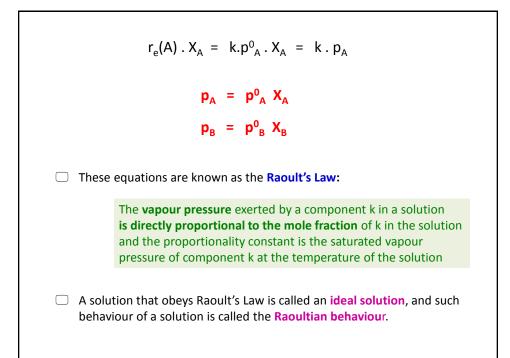












$$p_{A} = p_{A}^{0} X_{A}$$

$$Addition of solute
$$fressure = f_{A}^{0} + p_{B}^{0} + p_{B}^{$$$$

$$\frac{p_A - p_A}{p_A^0} = X_B$$

The relative lowering of vapour pressure of solvent due to addition of solute is equal to the mole fraction of solute in the solution.

