



Name of a student _____ Signature _____ No. _____

$\Omega = 1000 \text{ torr}$, $T = 34^\circ\text{C} + 273 = 307\text{K}$, $W_B = 4\text{g}$

$\Omega = T R [B]$

$1.31 \text{ atm} = 307\text{K} \times 0.082 \frac{\text{atm}\cdot\text{L}}{\text{K}\cdot\text{mol}} \times [B]$

$[B] = 0.05 \text{ M}$

$\frac{1000 \text{ torr}}{760} = 1.31 \text{ atm}$

$0.5 \text{ dm}^3 = 0.5 \text{ L}$

$n = [B] \times V = 0.05 \text{ M} \times 0.5 \text{ L}$

$n = 0.025 \text{ mol}$

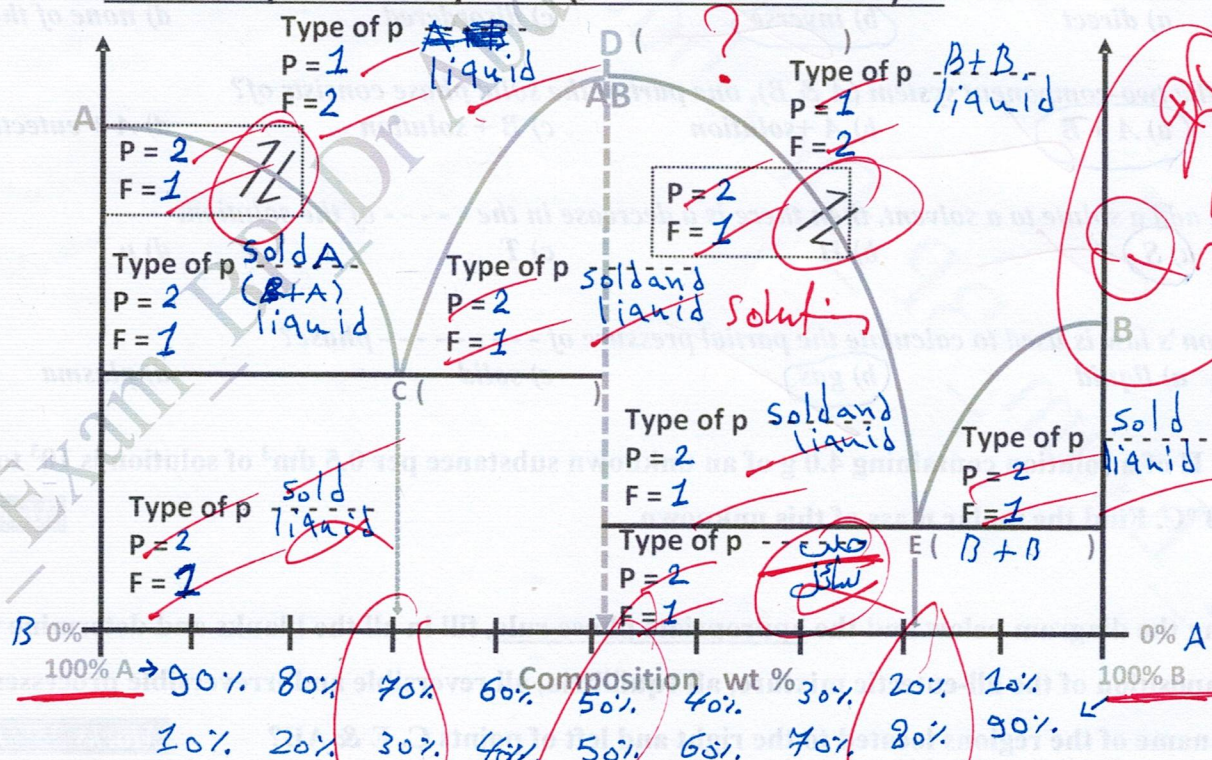
$n \cdot \text{M.Wt} = \frac{W}{M} = \frac{4 \text{ (g)}}{0.025 \text{ (mol)}}$

$\text{M.Wt} = 160 \text{ (g/mol)}$

Handwritten circled notes: Q_2 , $\frac{25}{25}$

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Two component system



$F = C - P + 1$
P = طور (Phase) F = درجة الحرية (Degrees of freedom) C = مكونات (Components)