

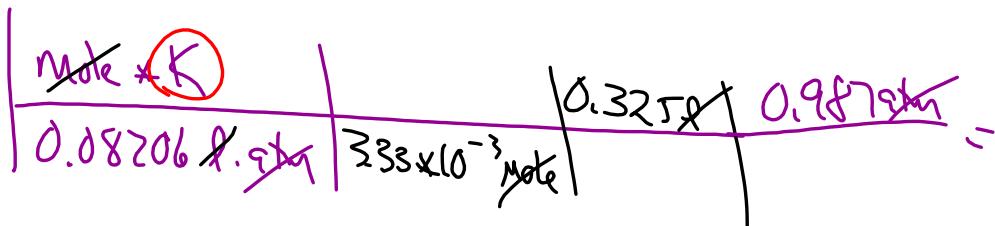
$10/34 b$  Find  $T$ ,  $3.33 \times 10^{-3}$  mole,  $325\text{ml}$ ,  $750\text{torr}$

$$\frac{750}{760} =$$

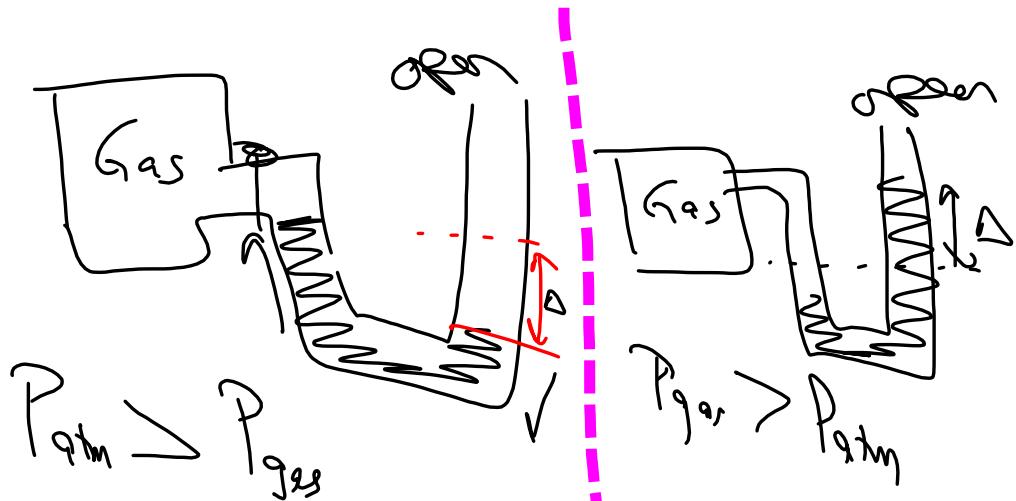
$$PV = nRT$$

$$T = \frac{PV}{nR} = \frac{(0.987\text{ atm})(325 \times 10^{-3}\text{ l})}{(3.33\text{ K}(10^{-3}\text{ mol})) (0.08206 \frac{\text{l} \cdot \text{atm}}{\text{mol} \cdot \text{K}})}$$

$$\frac{0.08206 \text{ l} \cdot \text{atm}}{\text{Mole} \cdot \text{K}}$$



Dec 5 8:11 AM



Dec 5 8:22 AM

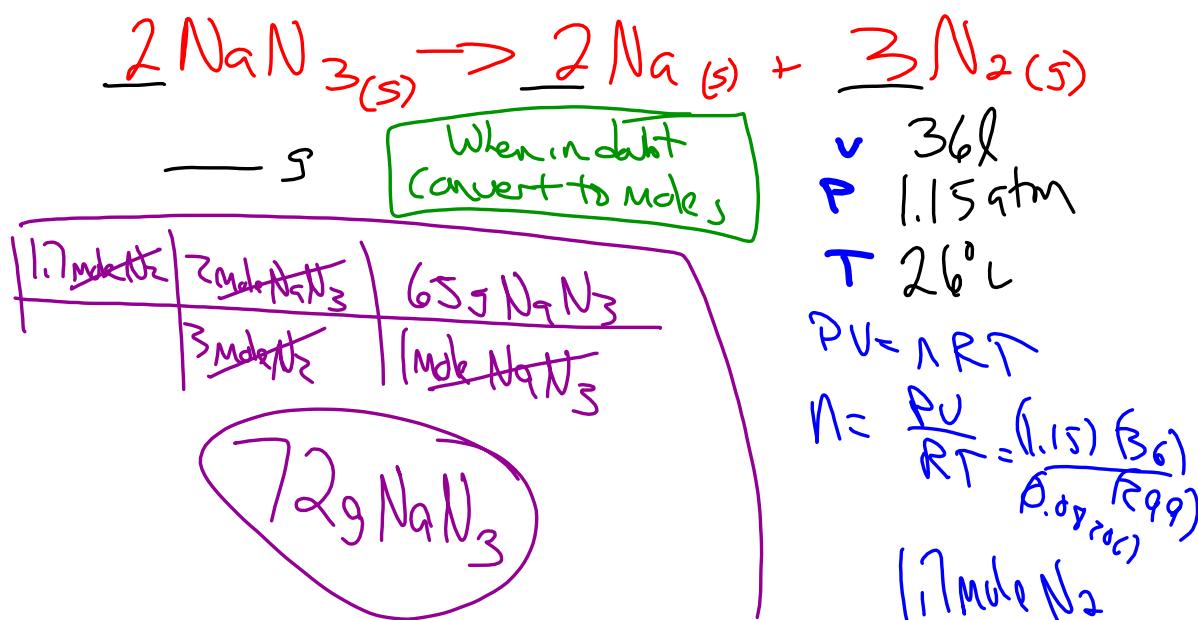
Find density  $\text{C}_\text{Cl}_\text{4(g)}$  vapor at 714 torr and  $125^\circ\text{C}$

$$\frac{\frac{g}{v}}{D} = \frac{P(M_w)}{RT} = \frac{(714/760)(153.81)}{(0.08206)(398)} = 4.42 \text{ g/l}$$

$PV = nRT$

$\frac{PV}{n} = \cancel{RT} \frac{1}{M_w}$

Dec 5-8:25 AM



Dec 5-8:39 AM

10/40, 50, 54

Paramag lab Due Mow

Dec 5-8:46 AM