

FAST GAS \Rightarrow Large V, High T
Low (No) Mass, Low P

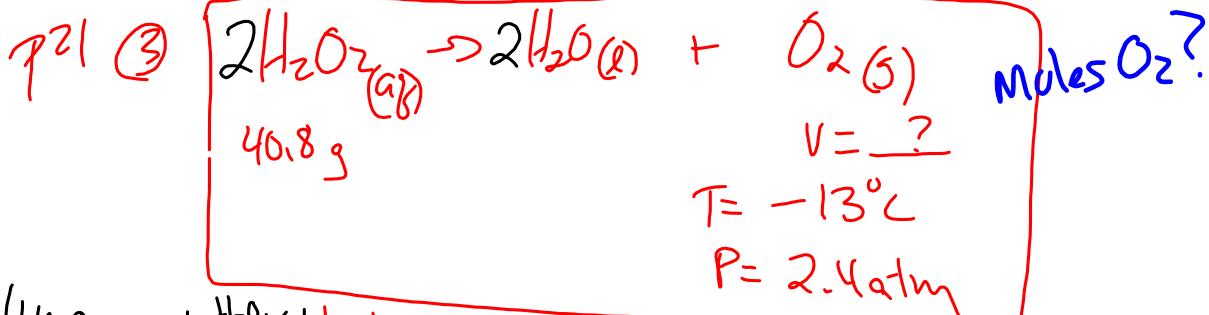
$$\frac{PV_1}{T_1} = \frac{PV_2}{T_2}$$

STP $PV = nRT$ Works
(1)V = (1)(0.08206)(273) at any (T + v)

(Mole gas = 22.4)
AT STP ONLY
 $V = 22.4 \text{ L}$

$$P_T = P_{\text{gas}_1} + P_{\text{gas}_2} + \dots + P_{\text{gas}_n}$$

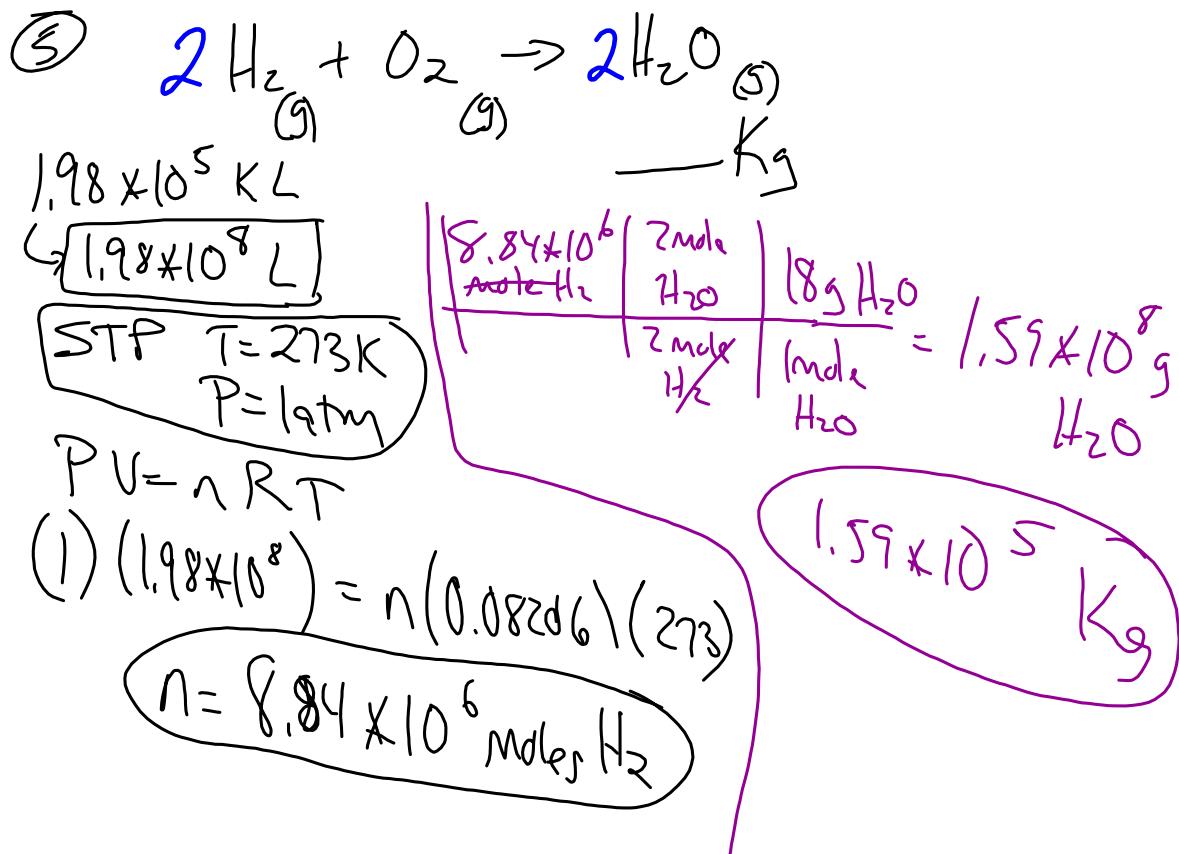
Feb 29-8:35 AM



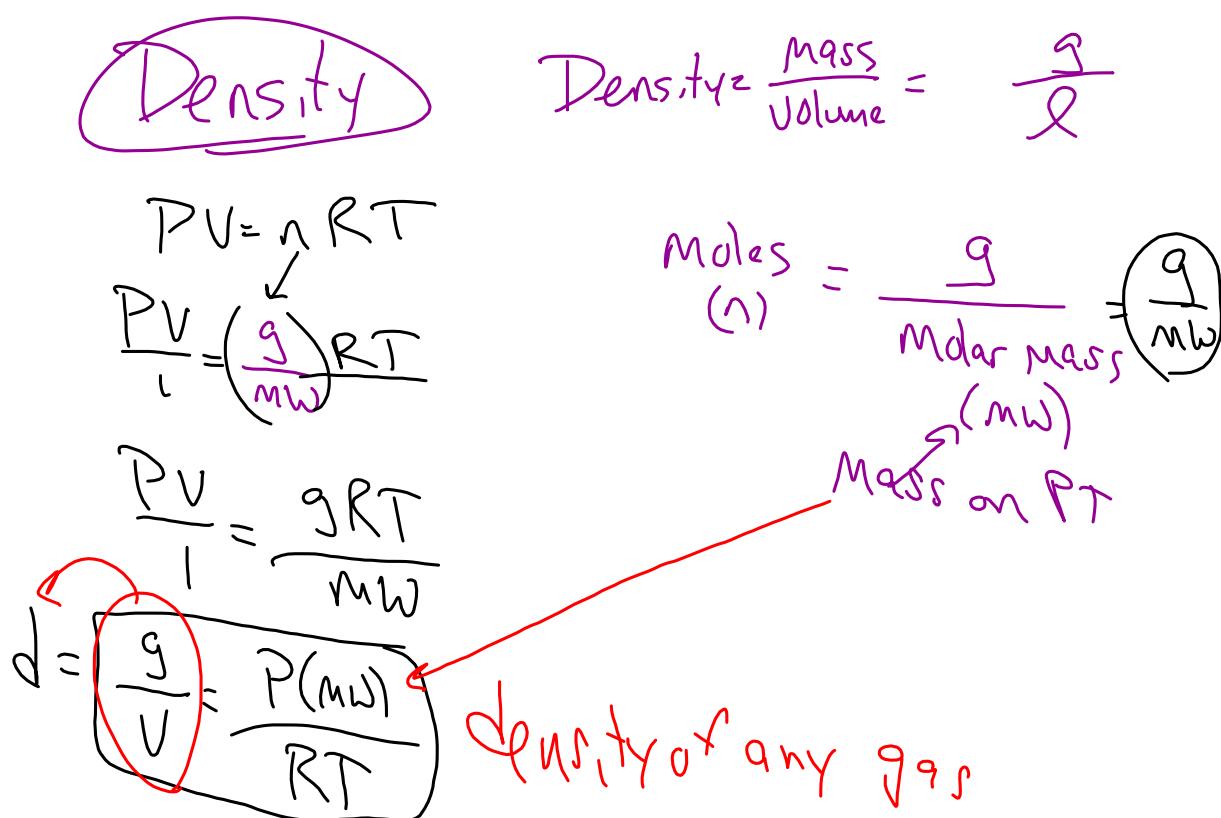
40.8 g H ₂ O ₂	1 mole H ₂ O ₂	1 mole O ₂
34 g H ₂ O ₂	2 moles H ₂ O ₂	0.6 moles O ₂

(2.1) $PV = nRT$
 $V = 0.6(0.08206)(260)$
 $V = 5.334 \text{ L}$

Feb 29-8:51 AM



Feb 29-8:59 AM



Feb 29-9:09 AM

P24

Feb 29-9:15 AM