

## Dalton's Law of Partial Pressures

Total pressure is the sum of all partial pressures

$$
\begin{aligned}
& P_{\text {total }}=P_{1}+P_{2}+P_{3}+\text { etc... } \\
& \begin{array}{c}
\text { Or } P_{\text {dry gas }}=P_{\text {totala }}-P_{\text {Hzo }}
\end{array} \quad \frac{\text { Moles gas }}{\text { Moles gas }} \text { total }
\end{aligned}=\frac{P_{x}}{P_{\text {total }}}
$$

