

Question 6

The pressure exerted by saturated water vapour is called aqueous tension. What correction term will you apply to the total pressure to obtain a pressure of dry gas?

Solution:

The total pressure of the gas is $P_{\text{moist gas}} = P_{\text{dry gas}}$

By applying the correction term, $P_{\text{dry gas}} = P_{\text{moist gas}} - \text{Aqueous tension}$

Therefore, the correction term applied to the total pressure of the gas to get the pressure of dry gas is $P_{\text{moist gas}} - \text{aqueous tension}$