Daltons's Law of Partial Pressures

The total pressure of a combination of different gases is the same as the sum of the partial pressure contribution of each gas.

$$P_{T} = P_{1} + P_{2} + P_{3} + \text{etc.}$$

$$P_{atm} = P_{N_2} + P_{O_2} + P_{Ar} + P_{CO_2} + P_{etc}$$

When a gas is collected "over water" the gas will pick up water vapour. (water vapour is a gas form of water) Therefore a gas collected over water is never pure.

$$P_{T} = P_{gas} + P_{H_{2}O}$$

The "vapour pressure" of water is temperature dependent. The temperature at which the gas is collected will decide what the partial pressure of $\rm H_2O$ will be. A table can be used to determine this number - See "Molar Mass of Butane Gas" lab for a table of vapour pressures for water.