

Lab 2

$$P(y) = P(y=0) e^{-\frac{Mgy}{RT}}$$

You should quote an "error" for your molar mass via

$$\frac{M_{\text{measured}} - M_{\text{expected}}}{M_{\text{expected}}} \times 100$$

You should give an uncertainty for  $V_{\text{gasdylow}}$  via measuring it 3 times and then computing  $\frac{\sigma}{\sqrt{3}}$  where  $\sigma$  = standard deviation of the 3 values