

## 18. PAUL TOL MUTED - Academic

$$PV = NkT$$

Pressure  $\times$  volume = particles  $\times$  Boltzmann constant  $\times$  temperature

- $P$  = pressure (Pa)
- $V$  = volume ( $\text{m}^3$ )
- $N$  = number of particles
- $k$  = Boltzmann constant
- $T$  = absolute temperature (K)