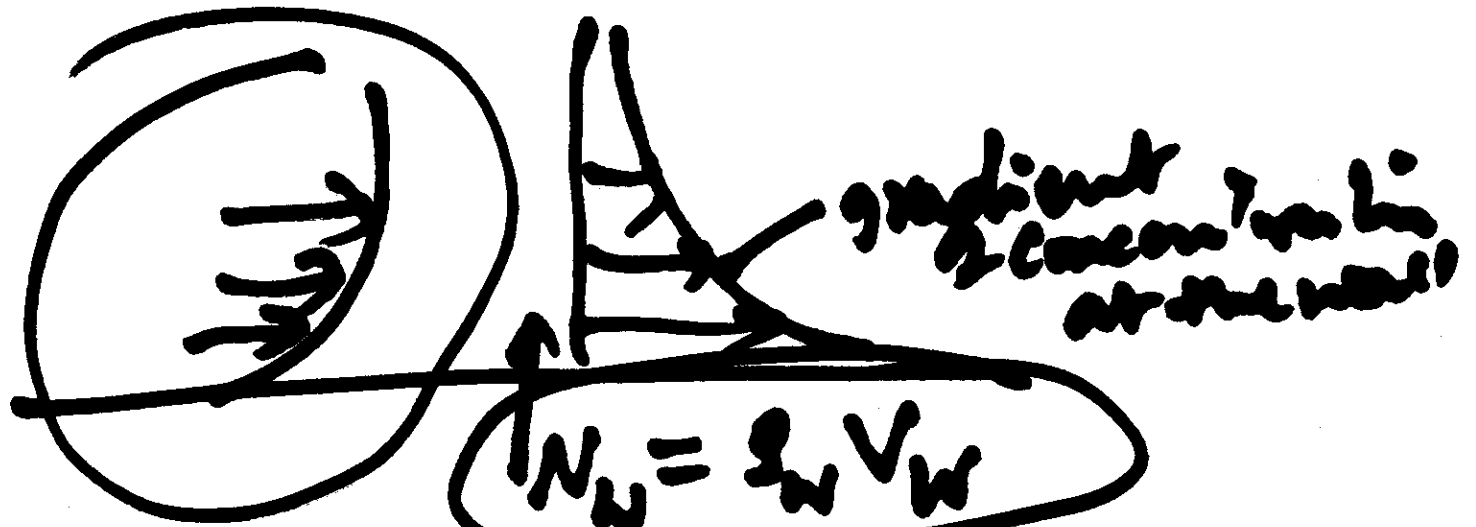


$$\begin{aligned} \omega_k &= \frac{m_k}{m_{\text{mix}}} = \frac{m_k \times \left( \frac{V_{\text{mix}}}{m_{\text{mix}}} \right)}{V_{\text{mix}}} \\ &= \rho_k \times \frac{1}{\rho_{\text{mix}}} \\ &= \frac{\rho_k}{\rho_{\text{mix}}} \end{aligned}$$

$$\sum m_k = m_{\text{mix}}$$

$$\sum \omega_k = 1$$

$$\rho_{\text{mix}} = \sum \rho_k$$



Entropy (E)  $(\text{Energy})$   
 Species (WR)  
 Mass (M)