

























If the boundary is moving with a velocity v, the above flux must also be equal to?  $J = C \cdot v \rightarrow v/(v_m/N_a)$   $v = \frac{A_2 n_1 v_1 V_m^2}{N_a R T} \exp\left(-\frac{\Delta G^a}{R T}\right) \frac{\Delta G}{V_m}$ or  $v = \mathcal{M} \cdot \Delta G / V_m$   $where \mathcal{M} = \left\{\frac{A_2 n_1 v_1 V_m^2}{N_a R T} \exp\left(-\frac{\Delta S^a}{R}\right)\right\} \exp\left(-\frac{\Delta H^a}{R T}\right)$ 



