

Lista de fórmulas de interés

$$P V = n R T$$

$$P_{\text{tot}} = P_A + P_B + \dots P_n$$

$$P_A = x_A P_{\text{tot}}$$

$$\frac{v_1}{v_2} = \sqrt{\frac{M_2}{M_1}}$$

$$E_{\text{c prom}} = 3/2 RT$$

$$(v_{\text{prom}}) = (3RT/M)^{1/2}$$

$$E_{\text{ret}} \propto - |q_c q_a / (r_c + r_a)|$$

$$q = m C_e \Delta T$$

$$\Delta E = q + w$$

$$w = - P \Delta V$$

$$w = -nRT \ln(V_f/V_i)$$

$$\Delta H_{\text{reacc}} = \sum m \Delta H^\circ_f \text{ prod} - \sum n \Delta H^\circ_f \text{ react}$$

$$\Delta S^\circ_{\text{reacc}} = \sum m S^\circ_f \text{ prod} - \sum n S^\circ_f \text{ react}$$

$$\Delta G^\circ_{\text{reacc}} = \sum m \Delta G^\circ_f \text{ prod} - \sum n \Delta G^\circ_f \text{ react}$$

$$\Delta G = \Delta H - T\Delta S$$

$$\Delta E = \Delta H - RT\Delta n$$

$$K_c = \frac{[C]^c [D]^d}{[A]^a [B]^b}$$

$$K_p = K_c (RT)^{\Delta n}$$

$$\text{pH} = -\log [\text{H}_3\text{O}^+]$$

$$\Delta E^\circ_{\text{celda}} = E^\circ_{\text{cátodo}} - E^\circ_{\text{ánodo}}$$

$$\Delta E_{\text{celda}} = \Delta E^\circ_{\text{celda}} - (RT/nF) \ln Q$$

$$\Delta E_{\text{celda}} = \Delta E^\circ_{\text{celda}} - (0.059/n) \log Q$$

$$I = Q / t$$