

**Formulas seleccionadaso**

$dU = TdS - PdV$	$c = (\partial q / \partial T)$
$H = U + PV$ $\Delta H = \Delta U + \Delta(PV)$	$c_P = (\partial q / \partial T)_p = (dh / dT)_p$
$\partial Q = TdS$ (Procesos Reversibles)	$c_v = (\partial q / \partial T)_v = (du / dT)_v$
$dE = \delta Q - \delta W$ $\Delta E = Q - W$	$dh = \left[ v - T \left( \frac{\partial v}{\partial T} \right)_{P,n} \right] dP + c_p dT$
$\Delta U = Q - W$ $dU = \delta Q - \delta W$	$\Delta h = h_2 - h_1 = \hat{c}_p \cdot (T_2 - T_1)$ (gas ideal con $c_p$ constante = $\hat{c}_p$ )
$dW = PdV$	$dS = - \left( \frac{\partial v}{\partial P} \right)_{P,n} dP + (c_p / T) dT$
$PV = nRT$	$ds = -(R/P)dP + (c_p/T)dT$ (gas ideal)
$Pv = RT$	$\Delta s = s_2 - s_1 = \hat{c}_p \cdot \ln \frac{T_2}{T_1} - R \cdot \ln \frac{P_2}{P_1}$ (gas ideal con $c_p$ constante = $\hat{c}_p$ )