

W4-3-2 Gibbs energy 2

Provide the differential expression for the Gibbs energy, dg , by using du .
What are the variables for the Gibbs energy?

$g = u - Ts + Pv = h - Ts \rightarrow dg = dh - (Tds) = Tds + vdp - Tds - sdt = vdp - sdt$.
The variables for the Gibbs energy are T and P .