

## W4-3-3 Gibbs energy 3

Provide the total differential (the notation with the partial derivatives),  $dg$  of the Gibbs energy.

The total differential of the Gibbs energy is:  $dg = \left(\frac{\partial g}{\partial T}\right)_P dT + \left(\frac{\partial g}{\partial P}\right)_T dP$ .