

Reading Assignment 10/01

(due: Wednesday, October 1, 9 am)

Read: §3.4

1.: Explain why p , not $1/p$, is proportional to $\left(\frac{\partial S}{\partial V}\right)_{U,N}$.

2.: True or false: (a) heat flow into a system always makes a positive contribution to ΔS . (b) the only way to change the entropy of a system is via heat flow.

3. Comments: What of this reading did you find most difficult and what did you find most interesting? Any other comments?

Homework due Wed, Oct. 1: 3.23, 3.25 a-c & 3.25 d-f