

Thermodynamics

Homework Six

Due Friday October 25, 2013

1. Problem 3.37. Optional. This problem uses the chemical potential to derive a formula for the exponential atmosphere.
2. Problem 4.5. Should be a fairly straightforward but multi-step calculation, using ideas from chapter 1.
3. Problem 4.6. Potentially challenging.
4. Problem 4.7
5. Problem 4.13
6. Problem 4.14. Heat pumps!