February 8th Class – Thermo class 4

Pre-Class Reading:

Watch pre-class video

Discussion questions for class:

(1) What is the Helmholtz Free Energy
(2) What is the Enthalpy
(3) What is the Gibbs Free Energy
(4) Be able to explain the following arbitrary equation

$$df = \left.\frac{\partial f}{\partial x}\right|_{yz} dx + \left.\frac{\partial f}{\partial y}\right|_{xz} dy + \left.\frac{\partial f}{\partial z}\right|_{xy} dz$$

In Class Problems:

Example 2.20

Problem 2.25

Problem 2.26