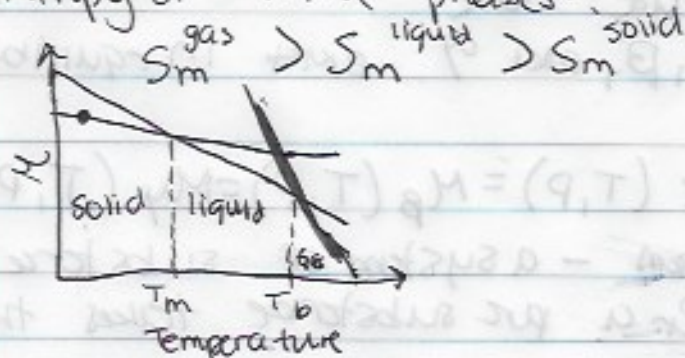


• entropy of three phases:



- boiling point elevation
- freezing point elevation
- freezing point depression

8.2 The Pressure-Temperature Phase Diagram

- phase diagrams used to show ^{pure} substances in single / two phases in equilibrium



- $\Delta H = \Delta H_{\text{sublimation}} = \Delta H_{\text{fusion}} + \Delta H_{\text{vaporization}}$
- the various types of phase diagrams may change depending on the factors you're measuring as well as changes of the substances itself.

~ important to note things such as the critical, sublimation, triplet points