

6/15/20

→ Friday June 19th

Lab exam - no lecture - only material

- Molar volume of a gas @ STP
  - limiting reagent
  - why  $H_2$
  - experimental set-up
  - calculations → height difference
- Enthalpy of vaporization (ethanol)
  - numerical calculations
  - experimental set-up
- Spectroscopy
  - why does light get absorbed?  
(correct-energy photons)
  - how does spectroscopy work?
  - $\lambda_{max}$  (wavelength of max. absorbance)
  - Beer's law:  $A = \epsilon \cdot c \cdot l$
- Green salt
  - analysis of oxalate by titration
  - equivalence point vs, endpoint
- Iodine clock (kinetics)
  - no calculation
  - why 3 reactions?
- Equilibrium constant
  - Beer's Law + ICE
  - calculations