AP Chemistry  
Experiment Procedures

## Spectrophotometry

* Beers law
* Finding the relationship between Absorbance and concentration

**Gravimetric Analysis**

* Disolve compound in water
* Heat to evaporate water, and make sure constant mass
* Filter and dry to get just mass of the compound
* Can find percent mass among other things with this

**Titrations**

* Place an indicator around the pH of the equivalence point
* Keep the analyte below the titrant and slowly add the titrant using a burette.
  + Note initial and final volumes
* When color change occurs, stop titrating and note the final volume
* Since at equivalence point, mols acid = mols base, use to find the unknown molarity

**Kinetics**

* Using Beers law, find the relationship between concentration and absorbance for the substance
* Graph concentration vs time and get data points
* Graph
* Whichever is the most linear is the order of the reaction, 0th, 1st, or 2nd, respectively

**Calorimetry**

* Measure mass of substance, mass of water, initial and final temperature of water
* Use to solve