

Options for Analysis

- Quantitative versus qualitative
- Classical or "Wet" methods
 - Gravimetric Analysis
 - Titrimetric or Volumetric Analysis
- Instrumental Methods



The Analytical Chemist's Toolkit

Instrumental Methods

- Spectroscopy
 - •Interaction with "light"
- Chromatography
 - Separations
- Mass Spectrometry
 - •Methods that respond to "mass"
- Electrochemistry
 - •Electron-transfer processes
- •Several other "hybrid" classes or subsets

Our Focus...

- Problem-solving
 - Equilibrium, Equilibrium, Equilibrium
 - Why?
- Lab-skills development
 - You need to be able to trust yourself!
- Introduction to basic instrumental methods