

**Suggested Experiment Order for:
A Beka CHEMISTRY Precision & Design, 2nd Edition**

A Beka Chapter	Page in text book	Suggested MicroChem Lab
1. Chemistry: An Introduction	p. 21	2. Melting Points, Super Cooling
2. Matter: The Substance of Chemistry	p. 39	1. Chromatography
3. Stoichiometry: Elements/Comp.	p. 70	13. Molar Mass by Titration (Read lab 12, A Microscale Titration first)
4. Stoichiometry: Chemical Reactions	p. 75 p. 82	4. Mole Ratios 5. Double Replacement Reactions
5. Gases	p. 101 p. 104	8. Boyle's Law 9. Charles's Law
6. Chemical Thermodynamics	p. 126	7. Decomposition
7. Light, Electrons, Atomic Structure		
8. The Periodic Table		
9. Chemical Bond, Interatomic Forces	p. 190	3. Electrical Conductivity of Several Solutions
10. Selected Nonmetals, Compounds		
11. Selected Metals, Compounds		
12. Solutions, Colloids	p. 279	10. Solubility Product Constant
13. Chemical Kinetics	p. 306 p. 307	15. Reaction Rates: The Effect of Concentration 16. Reaction Rates: The Effect of Temperature
14. Chemical Equilibrium		
15. Acids, Bases, Salts	p. 348 p. 353 p. 358	11. PH and PH Indicators 12. A Microscale Titration 14. A Buffer Solution
16. Oxidation-Reduction, Electrochemistry	p. 365 p. 375	6. Oxidation-Reduction 17. Electrochemistry: Galvanic cells
17. Nuclear Chemistry		
18. Organic Chemistry		