List of ALEKS® Virtual Labs

1st Lab Tutorial
- Chemistry Virtual Labs Tutorial

Buffers
- Buffers and Buffer Capacity

Calorimetry
- Enthalpy of Neutralization
- Heat Capacity of a Calorimeter

Carbohydrates
- Testing for Starch
- Testing of Sugars

Chemistry Lab Safety
- Personal Safety

Colligative Properties
- Freezing-Point Depression

Density
- Density of a Plastic Cube

Electrochemistry
- Standard Reduction Potentials and Concentration Dependencies

Enzymes
- Effects of Concentration and Temperature

Equilibrium
- Equilibrium Constant (Spectophotometry)

Gas Law
- Diffusion and Graham's Law
- Ideal Gas Law Constant

Kinetics
- Iodine Clock Reaction

Lab Skills
- Determining melting point, boiling point and refractive index
- Using a Balance
- Using a Graduated Cylinder
- Using an Alchohol Thermometer
- Using a Pipet and Buret
- Using a Ruler
- Using Simple and Fractional Distillation to Separate Binary Liquid Mixture
- Using Volumetric Glassware for Dilutions

Molecular Models
- VSEPR

Osmosis
- Movement of Water across a Semipermeable Membrane

pH
- Antacids

Proteins
- Testing for Amino Acids and Polypeptides

Reactions
- Reactions in Solution
- Reactions in Solution (Blancing Equations)

Scientific Method
- Pillbug Preference

Solubility
- Qualitative Analysis

Spectrophotometry
- Apply Beer's Law to Determine Concentration of Dye

Stoichiometry
- Synthesis of Calcium Carbonate
- Synthesis of Soap and its Properties

Titration
- Concentration of Vinegar
- Identify Weak Acid using Titration Curve
- Standardization of Sodium Hydroxide