

Principles of Chemistry II and LAB - CHEM 1212K Kit

- General Kit Instructions Booklet – 1

Labware

- 10 mL Graduated Cylinder, plastic - 1
- 100 mL Graduated Cylinder, plastic - 1
- 125 mL Erlenmeyer Flask, glass - 1
- 25 mL Graduated Cylinder, plastic - 1
- 250 mL Beaker, plastic - 1
- 500 mL Volumetric Flask, glass - 1
- 600 mL Beaker, plastic (Graduated to 500 mL) - 1
- Alligator Clips (1 Red & 1 Black) - 2
- Brass Coupler, 3/16" - 1
- Copper Wire (12Awg) - 1 ft
- Digital Multimeter - 1
- Digital Scale - 1
- First Aid Kit - 1
- Flexible (PVC) Tubing - 4 ft
- Funnel, small - 1
- Glass Stir Rod - 1
- Glass Test Tubes - 7
- Gloves, Nitrile - 5 pairs
- Latex Tubing , 1/8" - 4 ft
- Latex Tubing , 3/16" - 2 ft
- Mason line (Cotton Twine String) - 225 ft
- pH meter - 1
- Pipettes, disposable - 20
- Ring Stand - 1
- Ring Stand Clamp - 1
- Safety Bag (Apron, 5 pairs of gloves, glasses, 3 underpads) - 1
- Scoopula - 1
- Spectroscope - 1
- Splash Resistant (Safety) Goggles - 1
- Stopper with 1- hole, #1 - 1
- Stopper with 1- hole, #5 - 1
- Stopper with 2-holes, #5 - 1
- Syringe Stopcock - 1
- Syringe, 30 mL - 1
- Test Tube Rack - 1
- Yeast Packet - 1

- Copper Metal Strip - 1
- Magnesium Metal Strip - 1
- Zinc Metal Strip – 1

Chemicals

- 1.5% Lugol's (IKI) Solution - 2 (15 mL) ea
- 1M Hydrochloric Acid (HCl) - 200 mL
- 1M Hydrochloric Acid (HCl) - 350 mL
- 1M Sodium Hydroxide (NaOH) - 2 (350 mL) ea
- Phenolphthalein Indicator - 2 (15 mL) ea
- Starch, soluble (C₆H₁₀O₅)_n - 2.5 g
- Urea (NH₂)₂CO - 10 g