**Sodium & Potassium Salts**

Bisulfite

Bisulfate

Thiosulfate

Metabisulfite

Persulfate

Phosphate

Permanganate

Thiocyanate

Chloride

Bromide

Iodide

Nitrite

Nitrate

Borate

Hydroxide

Carbonate

Bicarbonate

Hypochlorite

Perborate

Percarbonate

Chromate

Dichromate

Sulfide

Acetate

**Calcium & Magnesium Salts**

Calcium-

Oxide

Chloride (anhydrous)

Carbonate

Hydroxide

Sulfate (monohydrate)

Hypochlorite

Magnesium sulfate

**Mineral Acids**

Boric

Sulfuric

Hydrochloric

Sulfamic

**Organic Acids**

Formic

Acetic (5% & glacial\*)

Benzoic

Oxalic

Phthalic

Citric

Lactic

**Elements**

Carbon

Sulfur

Zinc

Aluminium

Magnesium

Lead\*

Copper

Mercury\*

Gallium\*

Iron

Tin

Titanium

**Miscellaneous Salts**

Copper sulfate

Lithium carbonate

Cobalt carbonate

Chromium trioxide\*

Nickel carbonate

Silver nitrate

Manganese dioxide

Iron oxide

Aluminium oxide

Silicon dioxide

Ammonium chloride

Ammonium nitrate\*

Vanadium pentoxide

**Other Useful Reagents**

Urea

Hydrogen peroxide

Trichloroisocyanuric acid

Inert gasses (tanks of CO2 N2 Ar)

Aniline

sucrose

hexamine

**Organic Alcohols**

Glycerol

Methanol

Ethanol

Ethylene glycol

Cyclohexanol

Phenol

**Organic Solvents**

Cyclohexane

Dichloromethane

Chloroform

Mineral oil

Tetralin

Dimethylsulfoxide

THF\*

Acetone

Toluene

Methyl-ethyl-ketone

Xylene

Turpentine

**Labware and Tools**

Vacuum pump

Tube furnace\*

Hotplate

Mixer (overhead or magnetic)

Condenser w/ cooling fluid

Separatory funnels

Funnels of all sizes

Scale (hundreth gram accuracy recommended)

Graduated cylinder

Boiling flasks & general lab glassware

Tubes (glass, iron, copper, PVC, polyethylene, vinyl, silicone etc…)

Regulated power supply\*

Thermometer (>200C)

Propane torch

Charcoal fire

Bunsen burner

Crucibles (ceramic)

Drying oven

Digital multimeter

Hermetic vials and containers

Fume hood