

### Chemistry 3202 Resource List

Where possible , buy the smallest available quantity of chemical substance.

Note : some of the materials listed in this table are also used in Chemistry 3202. If both courses are offered at your site, consult both list to avoid duplication of orders.

Item Description	Catalogue #	Qty	Activity
1.00 M HCl Solution – 1.0 L	470301-232	1	Core Lab 1 & 6
Sodium hydrogen Carbonate - 500 g	470302-440	1	Core Lab 1 & 6
Calcium carbonate – 100 g	470045-510	1	Core Lab 1
Ammonium chloride – 500 g	470300-192	1	Core Lab 5
Phenolphthalein - 100 mL	470301-980	1	Core lab 3 & 4
1.00 M NaOH Solution – 1.0 L	470302-570	1	Core Lab 3 & 4
Sodium hydroxide solid – 100 g	470302-548	1	Core Lab 5
Sodium carbonate anhydrous - 500 g	470302-476	1	Core Lab 6
0.10 M Iron (iii) nitrate – 50 mL	470301-398	1	Core Lab 2
Safety Glasses	153074	1/person	All Core Labs
Centigram Balance (reads 2 decimals)	470217-930	1	Core Lab 1, 5 & 6
Test tubes – 20 x 150 mm	6325708	4	Core Lab 1
Rubber stoppers – assorted	6286000	1	Core Lab 1
Erlenmeyer flask – 250 mL	172973	3	Core lab 1 & 3
Plastic tubing – 3 m	185080	1	Core lab 1
Straight plastic connecting tube	4522600	3	Core Lab 1
Thermometer	6332000	2	Core Lab 1
Graduated cylinder – 50 mL	181733	3	Core lab 1, 4, & 6
Metal Scoopula – 12 pkg	6293001	1	Core Lab 1
Graduated pipette – 10.0 mL	470211-584	2	Core Lab 3 & 4
Pipette bulb	6867700	2	Core lab 3 & 4
Buret clamp – double capacity	153912	1	Core Lab 4
Buret – 50 mL	185039	1	Core Lab 4 & 5
Beaker - 250 mL	470149-342	6	Core Lab 3, 4, 5, & 6

Catalogue #'s are taken from [www.boreal.com](http://www.boreal.com)

#### Lab Activities

1. Reaction Rates
2. A/B Titration
3. Kw of Vinegar
4. Heat of Solution - Calorimetry
5. Hess's Law - Calorimetry