

Chemistry 2202 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 |
|------------------------------------------------|-------------|----------|--------------------|
| Copper (ii) sulfate powdered – 100 g | 470300-848 | 1 | Core Lab 1 |
| Calcium Chloride powdered – 100g | 470300-576 | 1 | Core lab 3 |
| Sodium carbonate powdered – 500g | 470302-478 | 1 | Core Lab 3 |
| Kool-aid or other coloured drink crystals | Local | 1 | Core Lab 2 |
| Rubbing alcohol (isopropyl alcohol) | Local | 1 | Core Lab 5 |
| Crucible – low form 17 mL | 153120 | 3 | Core lab 1 |
| Watch Glass – 7 cm | 171372 | 4 | Core Lab 1, 2, & 3 |
| Metal Scoopula – 12 pkg | 6293001 | 1 | Core Lab 1, 2, & 3 |
| Glass Stirring Rod with rubber tips | 6731074 | 12 | Core Lab 2, & 3 |
| Crucible tongs | 6341500 | 1 | Core lab 1 |
| Wash bottle – 500 mL | 184115 | 3 | Core Lab 2 |
| Beaker – 50 mL | 173503 | 6 | Core Lab 2 |
| Beaker - 250 mL | 173506 | 6 | Core Lab 2 |
| Erlenmeyer flasks – 250 mL | 173612 | 3 | Core lab 3 |
| Delivery Pipette – 10.0 mL | | 3 | Core Lab 2 |
| Graduated Pipette – 10.0 mL | 53043-170 | 3 | Core lab 2 |
| Pipette Bulb | 150511 | 3 | Core Lab 2 |
| Volumetric Flask – 100 mL | 470219-656 | 2 | Core Lab 2 |
| Centigram Balance (reads 2 decimals) | 156303 | 1 | Core Lab 1, 2, & 3 |
| Filter Paper (10 cm disc) | 470163-000 | 1 | Core lab 3 |
| Ring Stand and clamp | 6310001 | 3 | Core lab 3 |
| Funnel | 181332 | 3 | Core lab 3 |
| Dropper pipettes with bulbs (medicine dropper) | 176022 | 12 | Core Lab 2 |
| Conductivity apparatus/tester | 6672310 | 1 | Core Lab 2 |
| Molecular model kits | 821108 | 1 | Core lab 4 & 6 |
| Safety Glasses | 153074 | 1/person | All Core Labs |

Catalogue #'s are taken from www.boreal.com

Lab Activities

- 1 . Hydrate – copper (ii) sulphate
2. Solution Preparation – kool-aid
3. Stoichiometry – Calcium chloride/Sodium carbonate
4. VSEPR – model kit
5. Properties – Virtual
6. Organic models – model kit / chemsketch