



# TEACHER PACKING LIST

## 7P – Integrated Science

### **UNIT B: Chemistry of Materials**

#### Instructions for Teachers:

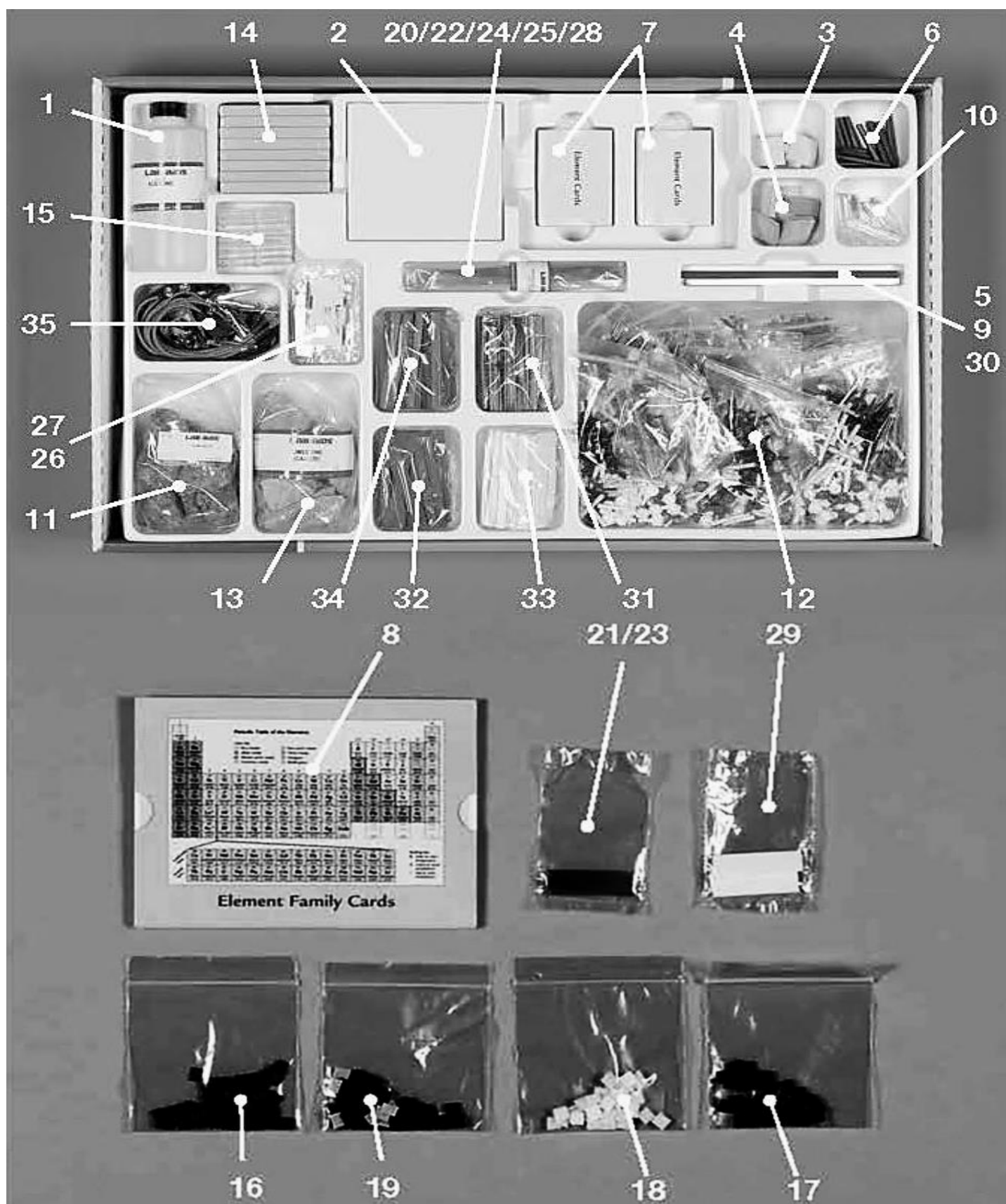
- Save this list and use it as your guide when you are ready to pack-up and return your science kit.
- Clean any dirty components before packing.
- Return ***ALL COMPONENTS***, regardless of condition!  
*Schools will be charged for excessive damaged or missing components.*
- Return ***ALL UNUSED CONSUMABLES.***

If your kit is incomplete or missing materials, immediately contact the K-8 Science Kit program at [sciencekits@pps.net](mailto:sciencekits@pps.net).

| Issues and Physical Science - Unit B - Chemistry of Materials |     |   |             |               |                   |   |           |
|---|-----|---|-------------|---------------|-------------------|---|-----------|
| NO.   | QTY | Description   | Item Number | Activity Used | Item Type         | Material Instruction                              | Cost Each |
| 1   | 1   | * Acetone, 180 ml   | PL-1-6EA    | 18            | Component         | <i>Return</i>                                     | \$5.95    |
| 2   | 1   | Block, 3/16" x 4" x 4", ceramic tile                              | CT-004A     | 14            | Component         | <i>Return</i>                                     | \$0.95    |
| 3   | 8   | Blocks, 3/16" x 1" x 1", ceramic tile                             | CT-004      | 14            | Component         | <i>Return</i>                                     | \$0.60    |
| 4   | 8   | Blocks, 3/16" x 1" x 1", wood                                     | WS-001B     | 14            | Component         | <i>Return</i>                                     | \$0.95    |
| 5   | 1   | Carbon rod, 3/16" x 6"  | CR-001A     | 14, 15        | Component         | <i>Return</i>                                     | \$0.55    |
| 6   | 12  | Carbon rods, 3/16"x1.5"   | IAPS-P16    | 14            | Component         | <i>Return</i>                                     | \$7.45    |
| 7   | 8   | Element Card set (set of 13)                                      | IAPS-P07    | 15            | Component         | <i>Return</i>                                     | \$2.10    |
| 8   | 8   | Element Family Card sets (set of 4)                               | IAPS-P08    | 15, (16)      | Component         | <i>Return</i>                                     | \$1.95    |
| 9   | 1   | Glass rod, 5MM x 6"   | GR-005      | 14            | Component         | <i>Return</i>                                     | \$0.95    |
| 10  | 12  | Glass rods, 5MMx1.5"  | IAPS-P17    | 14            | Component         | <i>Return</i>                                     | \$7.45    |
| 11  | 8   | Granite pieces  | GR001       | 14            | Component         | <i>Return</i>                                     | \$0.65    |
| 12  | 16  | IAPS Molecular model set  | IAPS-P22    | 17,19,20,21   | Component         | <i>Return</i>                                     | \$17.95   |
| 13  | 8   | Limestone pieces  | LI005       | 14            | Component         | <i>Return</i>                                     | \$0.75    |
| 14  | 8   | Material Data Card set (set of 21 )                               | IAPS-P09    | 12            | Component         | <i>Return</i>                                     | \$2.95    |
| 15  | 8   | Microscope slides, glass, 1" x 3"                                 | C1-GSX8     | 14            | Component         | <i>Return</i>                                     | \$4.60    |
| 16  | 1   | * Square set, high-density polyethylene (HDPE), 40 red & 10 black | IAPS-P28    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$4.95    |
| 17  | 1   | * Square set, polypropylene (PP), 40 blue & 10 clear              | IAPS-P29    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$4.95    |
| 18  | 1   | * Square set, polystyrene (PS), 40 yellow & 10 white              | IAPS-P30    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$4.95    |
| 19  | 1   | * Square set, polyvinyl chloride (PVC), 40 green & 10 orange      | IAPS-P31    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$4.95    |
| 20  | 1   | * Strip, 1/2"x6", Aluminum  | AL013A      | 14, 15        | <b>Consumable</b> | <i>Return both used &amp; unused for disposal</i> | \$1.25    |
| 21  | 8   | * Strips, 1/2"x1.5", Aluminum                                     | C1-MSAX8    | 14            | <b>Consumable</b> | <i>Return both used &amp; unused for disposal</i> | \$3.95    |
| 22  | 1   | * Strip, 1/2"x6", Copper  | CO012A      | 14, 15        | <b>Consumable</b> | <i>Return both used &amp; unused for disposal</i> | \$0.95    |
| 23  | 8   | * Strips, 1/2"x1.5", Copper                                       | C1-MSCX8    | 14            | <b>Consumable</b> | <i>Return both used &amp; unused for disposal</i> | \$3.95    |
| 24  | 1   | * Strip, 1/2"x6", Formica   | PS-010A     | 14            | <b>Consumable</b> | <i>Return both used &amp; unused for disposal</i> | \$0.55    |
| 25  | 8   | * Strips, 1/2"x1.5", Formica                                      | C1-MSMX8    | 14            | <b>Consumable</b> | <i>Return</i>                                     | \$3.95    |
| 26  | 1   | * Strip, 1/2"x6", Iron  | ST008A      | 14, 15        | <b>Consumable</b> | <i>Return</i>                                     | \$0.65    |
| 27  | 8   | * Strips, 1/2"x1.5", Iron   | C1-MSIX8    | 14            | <b>Consumable</b> | <i>Return both used &amp; unused for disposal</i> | \$3.95    |
| 28  | 1   | * Strip, 1/2"x6", Polystyrene                                     | PS-005A     | 14            | <b>Consumable</b> | <i>Return</i>                                     | \$0.95    |
| 29  | 8   | * Strips, 1/2"x1.5", Polystyrene                                  | C1-MSPX8    | 14            | <b>Consumable</b> | <i>Return</i>                                     | \$3.95    |
| 30  | 1   | * Strip, 1/2"x6", Wood  | WS-001A     | 14            | Component         | <i>Return</i>                                     | \$0.30    |
| 31  | 1   | * Strip set, high-density polyethylene (HDPE), 50 red & 20 black  | IAPS-P24    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$8.45    |
| 32  | 1   | * Strip set, polypropylene (PP), 50 blue & 20 clear               | IAPS-P25    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$8.45    |
| 33  | 1   | * Strip set, polystyrene (PS), 50 yellow & 20 white               | IAPS-P26    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$8.45    |
| 34  | 1   | * Strip set, polyvinyl chloride (PVC), 50 green & 20 orange       | IAPS-P27    | 18            | <b>Consumable</b> | <i>Return</i>                                     | \$8.45    |
| 35  | 8   | * Wire harness and bulb assemblies                                | TW-EHX1     | 14, 23        | Component         | <i>Return</i>                                     | \$5.45    |

**Please return ALL components and any UNUSED portion of consumables**

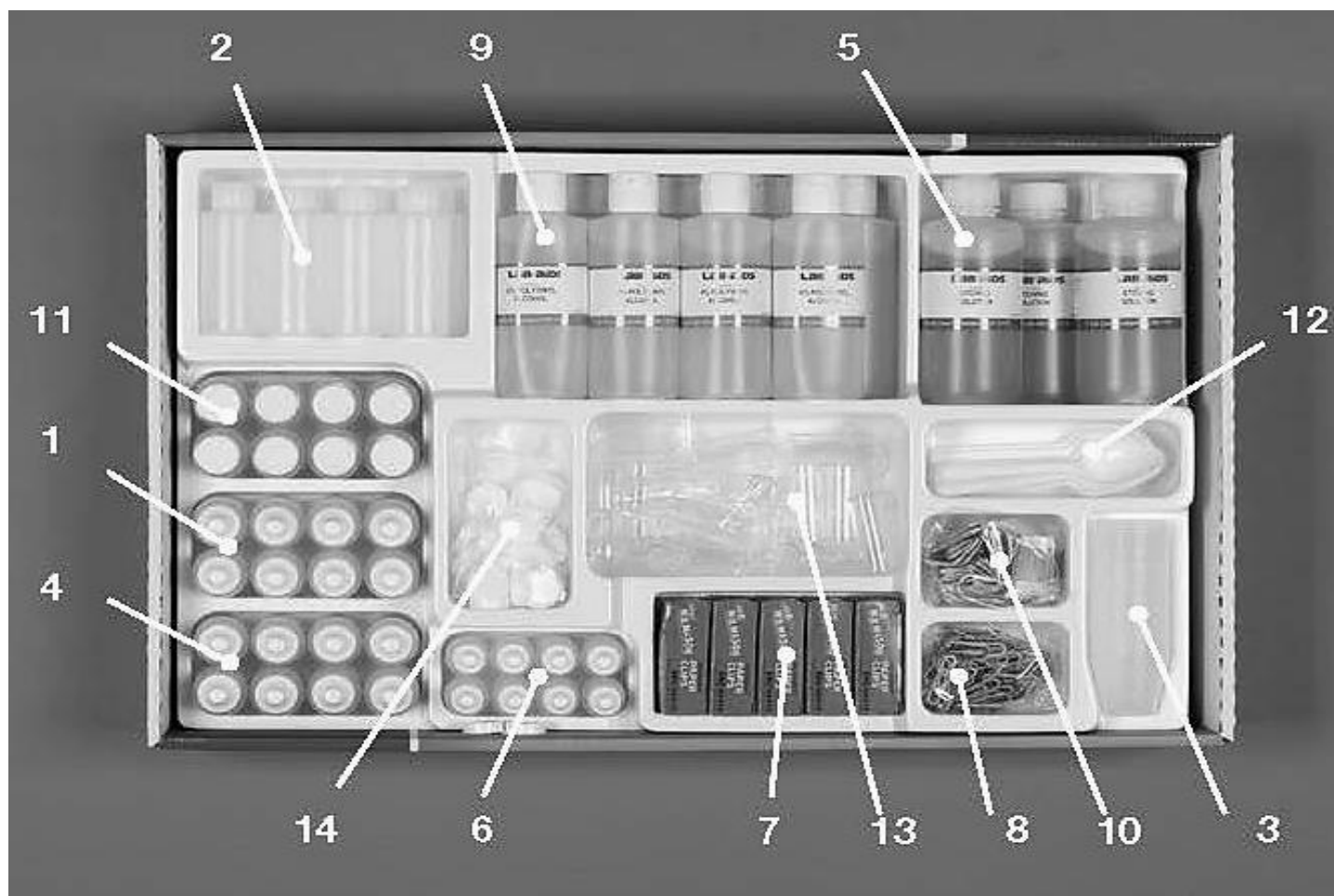
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Drawer 1 - Chemistry of Materials

| Issues and Physical Science - Unit B - Chemistry of Materials |     |   |             |               |                   |                      |           |
|---|-----|---|-------------|---------------|-------------------|----------------------|-----------|
| NO.   | QTY | Description   | Item Number | Activity Used | Item Type         | Material Instruction | Cost Each |
| 1   | 8   | "Water", empty, drop control, 30 ml btl                 | WH-1-4EA    | 24, 26, 28    | Component         | <i>Return</i>        | \$2.50    |
| 2   | 8   | Bottles, wide mouth, empty, 60 ml                       | BTL021      | 20            | Component         | <i>Return</i>        | \$1.15    |
| 3   | 32  | Cups, graduated, 30 ml                                  | TW-GCX16    | 18, 19        | Component         | <i>Return</i>        | \$5.95    |
| 4   | 8   | Ethanol (Denatured), drop control, 30 ml                | HM-2B07E    | 18            | Component         | <i>Return</i>        | \$3.95    |
| 5   | 3   | * Etching solution, 240 ml                              | WD-2B01E    | 23            | <b>Consumable</b> | <i>Return</i>        | \$12.95   |
| 6   | 8   | * Hydrochloric Acid solution, 1.0M, drop control, 15 ml | IAPS-B20    | 14, 18        | <b>Consumable</b> | <i>Return</i>        | \$3.25    |
| 7   | 500 | * Paper clips   | CL-002      | 18, 20        | <b>Consumable</b> | <i>Return Unused</i> | \$1.95    |
| 8   | 100 | Paper clips, colored                                    | PLPCX100    | 20            | <b>Consumable</b> | <i>Return Unused</i> | \$5.70    |
| 9   | 8   | * Polyvinyl Alcohol solution, 4%, 180 ml                | PL-1-5EA    | 19            | <b>Consumable</b> | <i>Return</i>        | \$5.95    |
| 10  | 40  | * Salt packets  | SP-SX40     | 18            | <b>Consumable</b> | <i>Return Unused</i> | \$3.35    |
| 11  | 8   | Sodium Borate solution, 4%, 30 ml                       | PL-1-3EA    | 19            | Component         | <i>Return</i>        | \$3.95    |
| 12  | 16  | Spoons, plastic, large                                  | TW-SPX16    | 19, 20, 27    | Component         | <i>Return</i>        | \$3.95    |
| 13  | 32  | Vials, small, clear plastic (3 dram)                    | SA-1P31E    | 18            | Component         | <i>Return</i>        | \$7.30    |
| 14  | 32  | Vial caps for 3 dram vials                              | SA-1P32E    | 18            | Component         | <i>Return</i>        | \$5.20    |

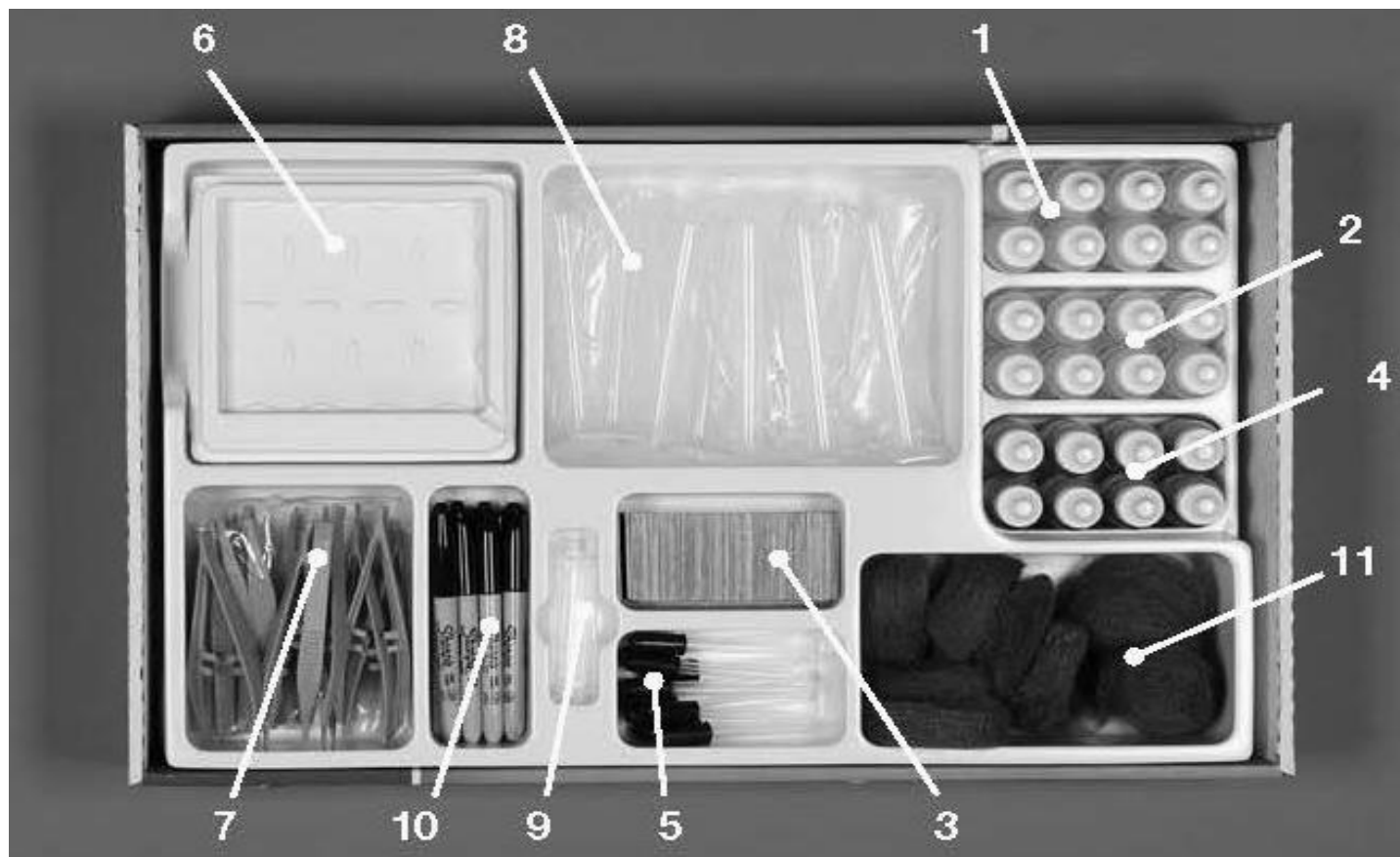
**Please return ALL components and any UNUSED portion of consumables**



**Drawer 2 - Chemistry of Materials**

| Issues and Physical Science - Unit B - Chemistry of Materials |     |  |             |                      |                   |                      |           |
|---|-----|--|-------------|----------------------|-------------------|----------------------|-----------|
| NO.   | QTY | Description  | Item Number | Activity Used        | Item Type         | Material Instruction | Cost Each |
| 1   | 8   | "Used Copper Chloride", empty, 30 ml                         | WD-2B02E    | 24, 28               | Component         | <i>Return</i>        | \$1.75    |
| 2   | 8   | *Ammonia solution 5% , 30 ml                                 | TW-1-2EA    | 24, 26, 27 28        | <b>Consumable</b> | <i>Return</i>        | \$3.95    |
| 3   | 64  | * Circuit Boards, copper coated, 2"x1"                       | CI-001      | 23                   | Component         | <i>Return</i>        | \$0.95    |
| 4   | 8   | * Copper Chloride solution, 100,000 ppm, drop control, 30 ml | WD-2B03E    | 24, 25               | <b>Consumable</b> | <i>Return</i>        | \$3.95    |
| 5   | 16  | Droppers, plastic  | SP-DX16E    | 24, 26, 27 28        | Component         | <i>Return</i>        | \$4.25    |
| 6   | 5   | Etching Trays, plastic                                       | RWDETC      | 23                   | Component         | <i>Return</i>        | \$3.95    |
| 7   | 16  | Forceps, plastic   | TW-001      | 18, 26, 28           | Component         | <i>Return</i>        | \$0.95    |
| 8   | 16  | Cylinders, graduated, plastic, 10 ml                         | GC-003A     | 18, 25               | Component         | <i>Return</i>        | \$3.95    |
| 9   | 16  | Mixing/Measuring spatulas                                    | TL-MSX16E   | 14, 19, 24<br>26, 28 | Component         | <i>Return</i>        | \$3.95    |
| 10  | 8   | Pens, permanent marking, black                               | PE-009      | 23                   | Component         | <i>Return</i>        | \$2.95    |
| 11  | 16  | * Steel wool pieces  | WD-2P08     | 23                   | <b>Consumable</b> | <i>Return Unused</i> | \$4.95    |

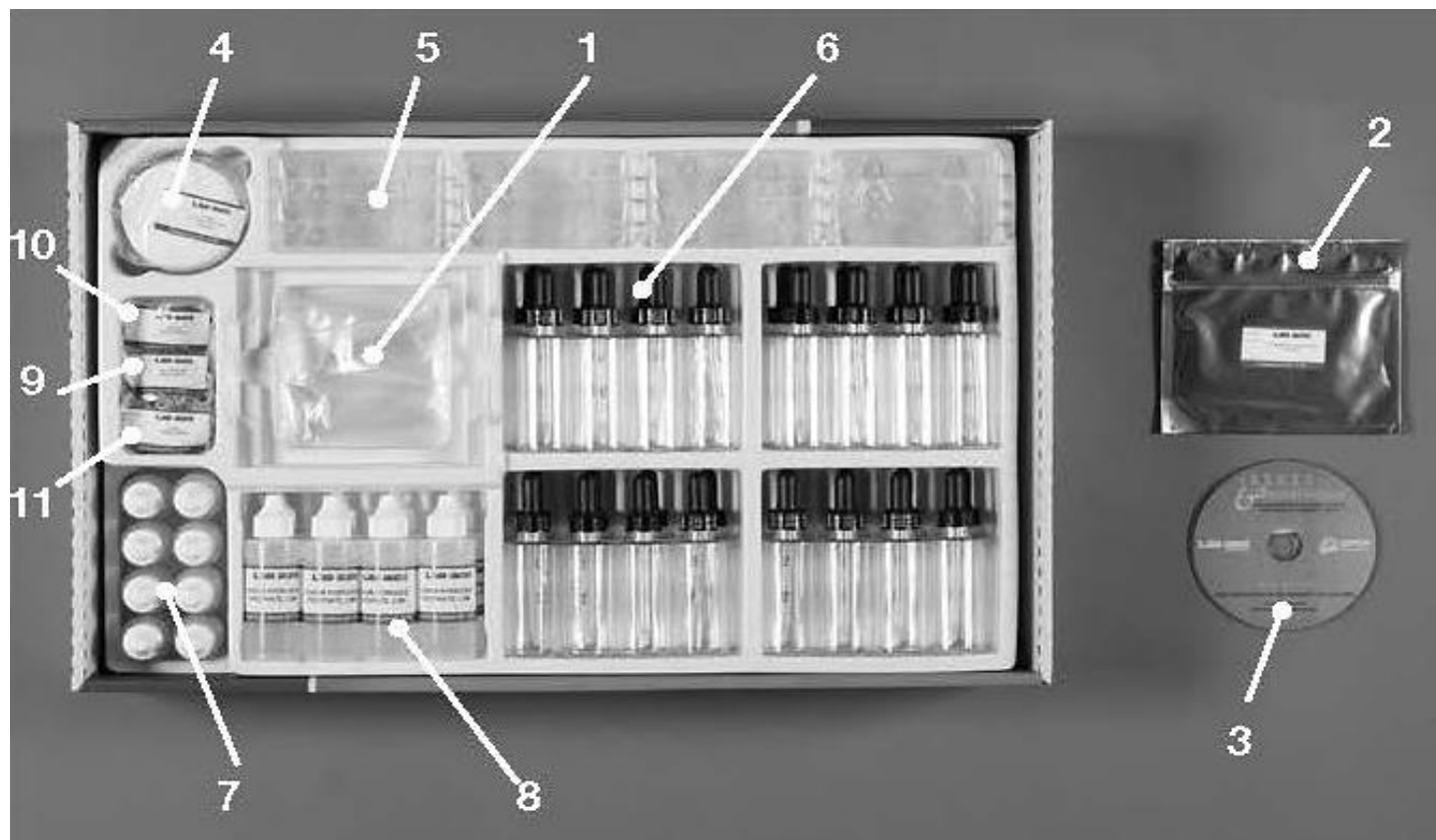
**Please return ALL components and any UNUSED portion of consumables**



**Drawer 3 - Chemistry of Materials**

| Issues and Physical Science - Unit B - Chemistry of Materials |     |  |             |               |           |                      |           |
|---|-----|--|-------------|---------------|-----------|----------------------|-----------|
| NO.   | QTY | Description  | Item Number | Activity Used | Item Type | Material Instruction | Cost Each |
| 1   | 5   | Bags, resealable, 9x12"                              | WH-GBX2     | 26            | Component | Return               | \$2.10    |
| 2   | 1   | Copper Chloride paper 50,000 ppm, pkg                | WD-2P02E    | 26            | Component | Return               | \$12.70   |
| 3   | 1   | DVD, "Hazardous Materials/Waste Disposal"            | IAPS-1DVD1  | 26            | Component | Return               | \$12.95   |
| 4   | 200 | Filter paper circles, 7cm                            | C1-FX300    |               | Component | Return               | \$17.05   |
| 5   | 16  | Funnels  | FU-001      | 28            | Component | Return               | \$1.50    |
| 6   | 32  | Reaction bottles                                     | IAPS-B03    | 25            | Component | Return               | \$2.15    |
| 7   | 8   | Sodium Carbonate solution, 0.8M, drop control, 30 ml | TW-1-11E    | 28            | Component | Return               | \$3.95    |
| 8   | 8   | Sodium Hydrogen Phosphate, 0.8M, drop control, 60 ml | IAPS-B02    | 25, 28        | Component | Return               | \$4.95    |
| 9   | 240 | Washers, aluminum                                    | HM-2P01E    | 25, 27, 28    | Component | Return               | \$7.95    |
| 10  | 80  | Washers, iron metal                                  | TW-1-15E    | 27            | Component | Return               | \$3.50    |
| 11  | 80  | Washers, zinc  | WD-2P06E    | 27            | Component | Return               | \$4.20    |

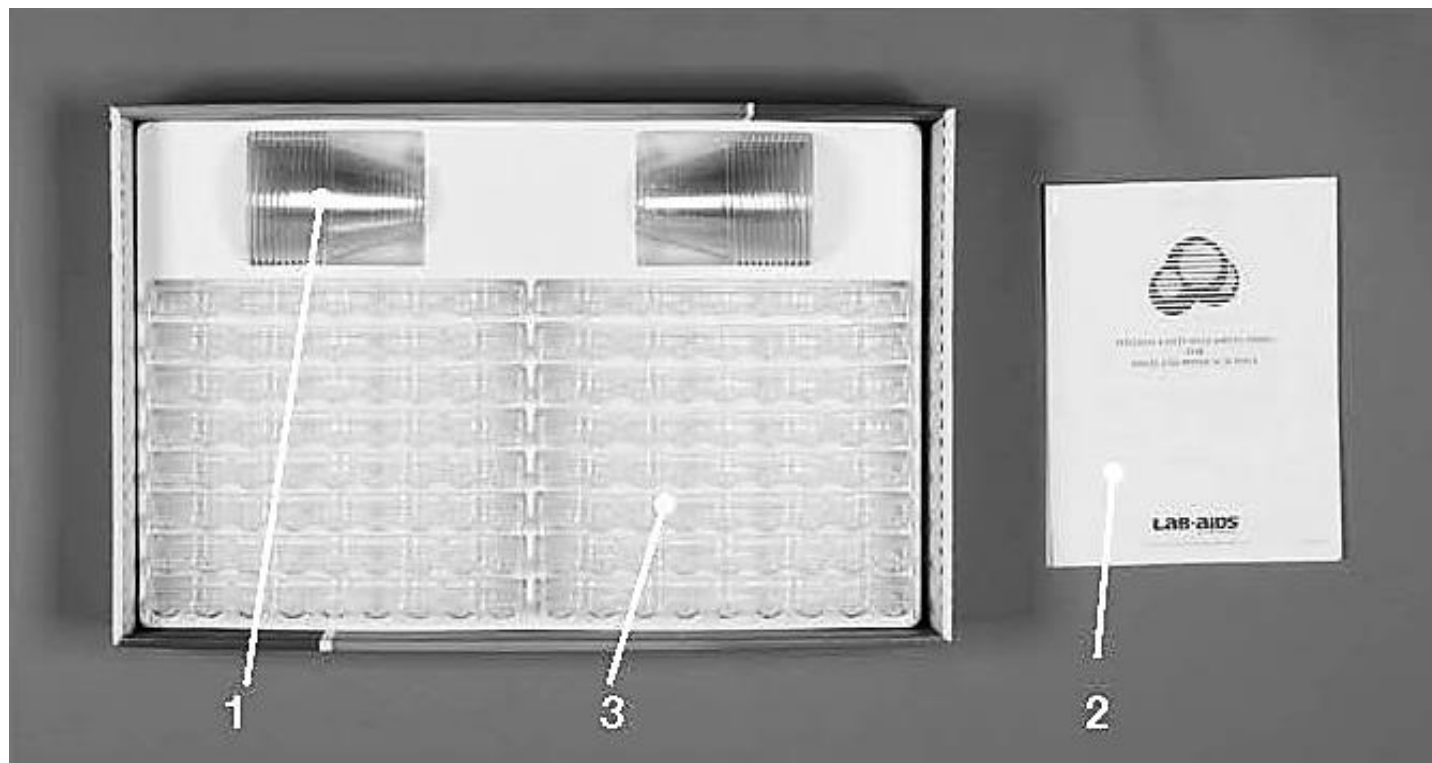
**Please return ALL components and any UNUSED portion of consumables**



**Drawer 4 - Chemistry of Materials**

| Issues and Physical Science - Unit B - Chemistry of Materials |     |   |             |   |                   |                      |           |
|---|-----|---|-------------|---|-------------------|----------------------|-----------|
| NO.   | QTY | Description                             | Item Number | Activity Used   | Item Type         | Material Instruction | Cost Each |
| 1   | 24  | Cups, plastic, 9 oz                     | TW-9CX16    | 3,5,6,7,8,9,10,14,19,24,27,28,42,45,46,56,59,60,61,62,65,69 | <b>Consumable</b> | <i>Return</i>        | \$5.99    |
| 2   | 1   | MSDS (Material Safety Data Sheets)      | IAPS-MSDS   | *****   | Component         | <i>Return</i>        | \$0.00    |
| 3   | 16  | Trays, SEPUP, Lab-Aids "Signature" item | CT-001      | 3,5,6,7,24,25,26,27,28,37,38,40,41,46,48,51,67              | Component         | <i>Return</i>        | \$4.95    |

***Please return ALL components and any UNUSED portion of consumables  
\* Dispose Cups Contaminated by Mineral Oil and Return Unused/Clean Cups \****



**Master Drawer**