

Kit Materials List

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| 1 | Activated carbon, 100 g* | 1 | Rubber bands, p/~300 |
| 1 | Ammonium hydroxide, 5%, 60 mL* | 10 | Rulers, 6-inch |
| 1 | Ammonium thiocyanate, 30 g* | 10 | Salt, packets* |
| 2 | Atom models | 1 | Sand, coarse, 5 lbs* |
| 10 | Bags, resealable (6" × 6")* | 1 | Sand, fine, 3 lbs* |
| 10 | Bags, resealable, (8" × 10")* | 4 | Sodium bicarbonate, 25 g* |
| 2 | Barium hydroxide, 30 g* | 1 | Sodium chloride 2%, 60 mL* |
| 8 | Basic chemical structure modeling sets | 1 | Sodium chloride, 10 g* |
| 2 | Black sand, 25 g* | 2 | Sodium hydroxide 2%, 30 mL* |
| 1 | Boyle's Law apparatus | 1 | Sodium hydroxide, 50 g* |
| 1 | Bromothymol blue indicator, 0.1%, 30 mL* | 1 | Soil, potting, bag* |
| 1 | Calcium chloride, 20 g* | 30 | Stirrers, plastic* |
| 10 | Cheese cloth, 6-inch square pieces* | 2 | Stirrers, wooden, pk/10* |
| 1 | Citric acid, 5 g* | 10 | Straws, plastic* |
| 1 | Copper(II) sulfate, 10 g* | 10 | Syringes, 3 mL |
| 5 | Copper chloride, 5 g* | 20 | Tablets, test for nitrate* |
| 20 | Corks | 1 | Test strips, glucose, p/25* |
| 100 | Cups, medicine | 1 | Test strips, pH, p/100* |
| 20 | Cups, plastic, 10 oz | 20 | Test tubes, glass |
| 10 | Electrodes, p/2 | 10 | Thermometers |
| 1 | <i>Elodea</i> , live material coupon, p/20 sprigs* | 10 | Tubes, clear plastic |
| 1 | Filament line | 1 | Universal pH indicator solution, 30 mL* |
| 1 | Glucose, 40 g* | 4 | Vermiculite, 15 g* |
| 1 | Gravel, 2.75 lbs* | 4 | Vinegar (5% acetic acid), 60 mL* |
| 1 | Green dye solution, 30 mL* | 10 | <i>Water pollutants Color Charts</i> , sheet |
| 2 | Hydrochloric acid 2%, 30 mL* | 20 | Wires, insulated, with alligator clips |
| 1 | Indigo carmine indicator, 30 mL* | 1 | Zinc pellets, 30 g* |
| 4 | Iron powder, 75 g* | | |
| 10 | Magnifying glasses | 1 | Curriculum Guide |
| 1 | Microscope slides, p/72 | 1 | Curriculum Resource CD-ROM |
| 1 | Nitrate pollutant, 30 mL* | | |
| 1 | Paper, construction, black, 8½" × 11"* | | |
| 10 | Papers, filter* | | |
| 10 | Pencils, wax | | |
| 10 | Periodic tables | | |
| 11 | Petri plates | | |
| 10 | Pipets, 5 mL | | |
| 40 | Pipets, plastic, 1 mL | | |
| 1 | Poster, The Ideal Gas Law † | | |
| 1 | Poster, The Mole † | | |
| 1 | Potassium aluminum sulfate, 30 g* | | |

* = consumable item

† = in separate box

To order consumable items, please call 1-800-225-3739.

Teacher-Provided Items

- 1 Aluminum foil, piece (enough for ten 1" × 2" pieces)
- Aprons (per student)
- 1 or more Balance, digital (readability 0.1 g)
- 50 Batteries, 9-volt
- 1 Beaker, 1 L
- 10 Beakers, 600 mL
- 10 Beakers, 500 mL
- 20 Beakers, 250 mL
- 10 Beakers, 100 mL
- 40 Calculators
- Cardboard (enough to create ten 3.5" × 8" strips)
- 10 Erlenmeyer flasks, 500 mL
- Gloves (per student)
- 4 Masses, 500 g
- 10 Rods, stirring, glass
- Safety goggles (per student)
- 1 Scale, body
- 1 pr. Scissors
- 1 Tape, roll
- 10 Test tube racks
- Water, distilled and/or bottled

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