



Recommended Minimum Core Inventory for NGSS

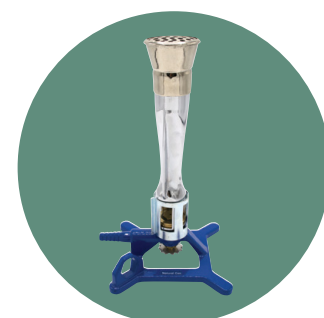
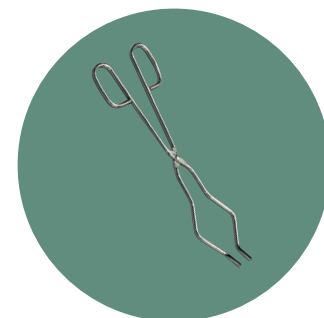
High School Chemistry, Class of 32 Students

Item Number	Equipment / Supplies	Quantity
SAFETY EQUIPMENT		
528445	Justrite Single Door Corrosives Cabinet, 14-1/4 x 19-1/5 x 16-1/4 Inches, Blue	1
528446	Justrite Corrosive Storage Cabinet, 24 x 16 x 18-1/2 Inches, 4 gal, Wood, Blue	1
1491078	Innovating Science Acid Spill Kit	1
572443	Diversified Woodcrafts Emergency Shower and Eyewash Station, 36 x 22 x 84 Inches, 10 Inch Diameter	1
1320143	Sellstrom Gravit-Eye Portable Eye Wash 16 Gallon	1
1488340	Sellstrom Fire Blanket with Hanging Pouch, 6 L x 5 W ft	1
1471240	Frey Scientific Dry Chemical Fire Extinguisher with Mounting Bracket, 8 X 5 X 16 in, 5 lb, Steel	1
1451983	Acme 113-Piece First Aid Station for 25 People, 10 X 7 X 3 in, Plastic, White	1
601016	Justrite Sure-Grip EX Compact Flammables Storage Cabinet, 23-1/4 x 18 x 35 Inches, 12 Gallon, Yellow	1
526701	Labconco Basic 47 Laboratory Hood Package - Fume Hood, Work Surface and Cabinet	1
577927	Sellstrom Economy Indirect Vent Chemical Splash Safety Goggle Fog Free	32
1574050	Eisco Goggle Sanitizer Cabinet, CRC Steel, Wall Mountable	1
589239	GSC Rubberized Cloth Aprons, 27 x 42 Inches	32
EQUIPMENT/SUPPLIES		
2001994	Ohaus Pioneer Precision Balance, 160 g x 0.001 g	1
2012765	Ohaus Navigator Portable Balance, 620 Gram Capacity, 0.1 Gram Readability	5
529623	Pyrex Vista Low Form Beakers - 50 mL - Pack of 12	3
529624	Pyrex Vista Low Form Beakers - 100 mL - Pack of 12	3
529626	Pyrex Vista Low Form Beakers - 250 mL - Pack of 12	2
529627	Pyrex Vista Low Form Beakers - 400 mL - Pack of 12	2
594045	Pyrex Griffin Low Form Borosilicate Beakers - 1000 mL - Pack of 6	2
563630	Frey Scientific Beaker Tongs with Plastic-Coated Jaws - 9-3/4 inches	8
590802	Frey Scientific Bell Jar - Knob Top - 6 x 11 inches	1
1503924	Kartell Heavy Walled Wide Mouth Carboy with Neck Insert, 10L, HDPE	4
1503923	Kartell Heavy Walled Wide Mouth Carboy with Neck Insert, 5L, HDPE	4
583528	Azlon Narrow Mouth HDPE Bottles, 1000 mL, Pack of 6	2
583525	Azlon Narrow Mouth HDPE Bottles - 500 mL - Pack of 12	2
583522	Azlon Narrow Mouth HDPE Bottles - 250 mL - Pack of 12	2
582673	Azlon Narrow Mouth HDPE Bottles - 125 mL - Pack of 12	2
1399983	Azlon Wide Mouth HDPE Bottles - 125 mL - Pack of 12	1
1399985	Azlon Wide Mouth HDPE Bottles - 500 mL - Pack of 12	1



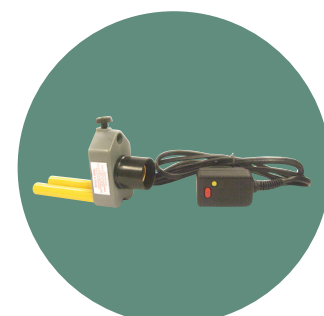
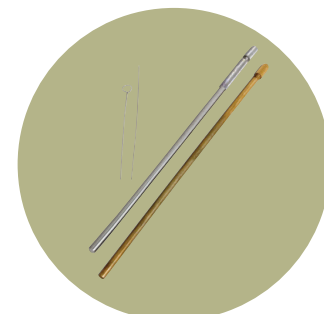
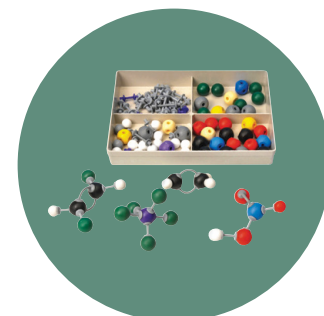
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EQUIPMENT/SUPPLIES CONTINUED		
581649	Scienceware Glass Disposal Cardboard Boxes, Floor Model, Pack of 6	2
574034	Frey Scientific Beaker Brush	2
1399063	United Scientific Burette Brush, 28 L x 0.5 W in	2
560098	Frey Scientific Test Tube Brush, 3 L x 1/2 W in, Nylon Trim, 8 L in, White, Pack of 12	4
1488833	United Scientific Buchner Funnel, 350 mL, Porcelain	8
561124	Frey Scientific Economy Burner Lighter	8
2010974	Eisco Bunsen Burner with Flame Stabilizer and Gas Adjustment, Natural Gas	10
593571	Pyrex Modular Geissler Buret, 50 mL x 0.1 mm	16
581355	Frey Scientific Double Buret Clamp, Polyethylene	8
1399679	Luxor H Wilson 2-Shelves Multi-Purpose Utility Tub Cart, 32 in W X 24 in D X 37-1/2 in H, HDPE, Black, 4 Wheel	1
2089058	Heathrow Sprout Plus Mini-Centrifuge 100-240vac, 50/60hz Universal Plug, Blue	3
1564940	Rubbermaid Countertop Block Brush, 12-1/2 Inches, Silver	10
563618	Frey Scientific Crucible Tongs - Nickel	8
1488792	United Scientific Tall Form Crucible with Cover, 30 mL, Porcelain, Pack of 6	2
578226	Frey Scientific Calcium Chloride Anhydrous, 12 Mesh, 500g, Lab Grade	1
1488870	United Scientific Porcelain Desiccator Plates with Stand, 115 Dia mm	1
2022105	Eisco Labs Desiccator, Glass, 10 Inches	1
1399065	United Scientific Diffraction Gratings - 300 Lines per mm	16
581556	Scienceware Controlled Dropping/Spray Bottles - 30 mL - Pack of 12	17
592641	Quincy Lab Oven Gravity Convection, 600 Watts, Model 10GC	1
1292803	Scienceware LAB-AIRE II Wall Mount Drying Rack, ABS Plastic, White, 2-Tier	1
458156	Rubbermaid Heavy Duty Dustpan, 12-1/4 Inches Wide, Plastic	1
1368247	Innovating Science Chemical Observation Set	1
574218	Frey Scientific Economy Porcelain Evaporating Dish - 85 mm	16
2010991	Eisco Natural Gas Meker Bunsen Burner, StabiliBase Anti-Tip Design with Handle	10
529662	Pyrex Vista Erlenmeyer Flask - 1000 mL - Pack of 6	1
529659	Pyrex Vista Erlenmeyer Flask - 125 mL - Pack of 12	2
529660	Pyrex Vista Erlenmeyer Flask - 250 mL - Pack of 12	2
593700	Pyrex Narrow Mouth Erlenmeyer Flask - 2000 mL	2
593610	Pyrex Borosilicate Volumetric Flask with Cap - 100 mL	8



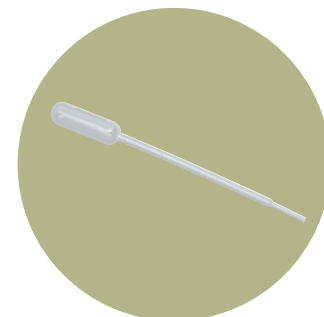
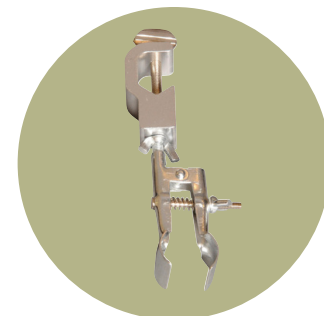
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EQUIPMENT/SUPPLIES CONTINUED		
561124	Frey Scientific Economy Burner Lighter	8
595230	DR Instruments Medium Point Forceps, Economy Grade, 4-1/2 Inches	16
593952	Pyrex Long Stem Funnels - 50 mm - Pack of 12	16
594312	Azlon Plastic Utility Funnel, High-Density Polyethylene, 16 Ounces	8
2091152	Teacher Created Resources Force, Motion, Sound, and Heat 4-Pack Poster Set	1
584265	Ginsberg Scientific Tubing, 3 mm ID x 5 mm OD x 24 in L, 1 Pounds, Flint Glass, Pack of 21	25
531710	Pyrex Vista Plastic Base Graduated Cylinders - 10 mL - Pack of 12	2
531713	Pyrex Vista Plastic Base Graduated Cylinders - 50 mL - Pack of 12	2
531715	Pyrex Vista Plastic Base Graduated Cylinders - 100 mL - Pack of 12	2
593661	Pyrex Borosilicate Double Graduated Cylinder - 500 x 5.0 mL	2
593664	Pyrex Borosilicate Double Graduated Cylinder - 1000 x 10 mL	2
568217	Scienceware Hot Hands Hand Protector	8
571583	Corning Scholar 170 Hot Plate, Dual Heat Shields	8
573834	Frey Scientific Inoculating Loop	8
581313	Scienceware Spinpak Magnetic Stirring Bars, Assorted Sizes, Set of 6	1
567541	Corning Scholar 171 Stirrer	1
086239	School Smart Multi-Purpose 3x Magnifier, 3 Inch Lens	8
569723	United Scientific Flint Glass Dropper Pipettes - 3 inches - Pack of 12	1
1296261	Frey Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Aluminum	2
1296110	Frey Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Carbon	2
1296262	Frey Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Copper	2
1296263	Frey Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Iron	2
1296108	Frey Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Tin	2
1296305	United Scientific Flat Electrode Strip, 5 x 3/4 x 3/64 Inches, Zinc	2
530794	Science First Conductivity Tester	8
1464869	Ohaus ST10C-A Conductivity Pen Meter, 0.00 - 199.9 microsiemens Per cm, 10 microsiemens Per cm Resolution, ABS Plastic	8
585837	Kemtec Microplates - 24 Well - Pack of 12	2
2012053	Eisco Molecular Model Set, Organic and Inorganic Chemistry	16
1488824	United Scientific Deep Form Mortar and Pestle Set, 150 mL, Porcelain	2



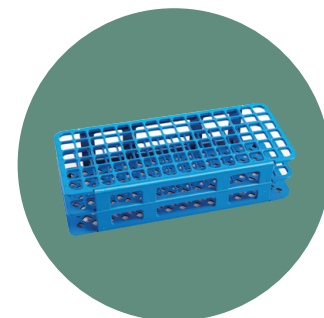
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EQUIPMENT/SUPPLIES CONTINUED		
1502459	Frey Scientific Giant Periodic Chart	1
1448764	Frey Scientific Disposable Pipettes, 1 mL Graduated, 3.5 mL Capacity, 150 mm Length, Pack of 500	1
1448763	Graduated Disposable Pipettes - 2 mL - 138 mm - Pack of 100	1
581493	Frey Scientific Pipette Pump - For Pipettes 3 10 mL	8
574242	GSC Support Ring Stand and Rings, 6 x 9 in Base, 24 in Rod, Includes 4 Rings	16
562379	United Scientific Economy Steel Support Ring, 3 in dia	16
1429085	United Scientific Rubber Policeman with Rod - Pack of 12	2
365433	School Smart Plastic Ruler, Inches and Metric, 12 Inches, Clear, Pack of 10	2
1492592	GSC Single Burette Clamp - Uncoated Jaws, 3/8 L x 1-3/8 W in, Nickel Plated Steel	16
1399426	United Scientific Spatula Spoon Combo - Pack of 10	2
1376345	Thermo Scientific Spectronic 200 Educator Visible Spectrophotometer	1
590100	Science First Science First Spectroscope Kit - Pack of 2	4
1444995	Next Generation Science Spectrum Tube Power Supply	1
1444997	Next Generation Science Electrodeless Spectrum Tube - Hydrogen	1
1444998	Next Generation Science Electrodeless Spectrum Tube - Helium	1
1444999	Next Generation Science Electrodeless Spectrum Tube - Neon	1
1445000	Next Generation Science Electrodeless Spectrum Tube - Carbon Dioxide	1
1445001	Next Generation Science Electrodeless Spectrum Tube - Air	1
1445002	Next Generation Science Electrodeless Spectrum Tube - Water Vapor	1
1445003	Next Generation Science Electrodeless Spectrum Tube - Argon	1
1445004	Next Generation Science Electrodeless Spectrum Tube - Nitrogen	1
1488854	United Scientific Spotting/Color Plate, 12 Wells, Porcelain	16
529617	Waterwise 4000 Compact Portable Water Purifier/Distiller, 6 gal, 120 VAC, 800 W, 60 Hz	1
525526	Frey Scientific Glass Stirring Rods, 6 Inches x 5 Millimeters, Set of 12	9
576952	Frey Scientific Stopwatches, 100 Minutes, 1/100th Seconds, Pack of 2	8
574115	Frey Scientific Rubber Stopper Assortment - Assorted Sizes - 1 Pound	2
569486	Frey Scientific Student Cork Assortment - Pack of 100	1
1537289	Storex Storage Bin 16 Gallon, Clear with Black Lid	4



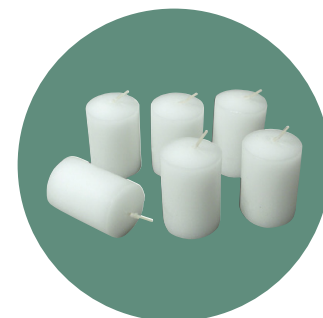
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190-9270	Delta Education Syringes, 30cc, Pack of 6	2
568490	DR Instruments Stoddard Test Tube Clamps, Pack of 6	4
1503934	Kartell Wet/Dry Test Tube Rack, 40 Tube, Polypropylene, Blue	8
593478	Pyrex Borosilicate Test Tubes - 16 x150 mm - Pack of 72	2
2028237	H-B DURAC Plus Liquid-In-Glass Thermometer, -10 to 110 Degrees C, 50mm Immersion, Organic Liquid Fill	8
574113	Frey Scientific Crucible Triangle	8
1477595	Frey Scientific Vacuum Tubing, 3/16 Inch Inner Diameter, 5/16 OD x 1/4 ID Inches x 50 Feet, 1/16 Inch Thick	3
527310	Fischer High Vacuum Pump	1
1016974	Dynalon Stacking Utility Carrier, 17-5/8 x 12-5/8 x 9-1/4 Inches, Plastic, Blue	8
2010813	Eisco Student Voltaic Cell & Porous Cup	2
531736	Pyrex Vista Volumetric Flasks with Snap Cap - 500 mL - Pack of 6	1
529676	Pyrex Vista Volumetric Flask - 1000 mL	1
581211	Scienceware Economy Polyethylene Wash Bottle with Spout, 250 mL	8
593313	Pyrex Watch Glasses, Borosilicate, 90mm, Pack of 12	4
1428543	Heathrow Aluminum Weighing Boats with Tabs - Pack of 100	5
584256	Frey Scientific Ceramic Fiber Wire Gauze, 4 x 4 Inches, Pack of 6	3
1047809	Channel Lock Adjustable Wrench, 8 in L X 1-1/2 in W, Chrome Vanadium Steel	1
CONSUMABLES		
1584507	Handi-Foil of America Aluminum Foil Roll, 12 Inches x 25 Feet	1
200099	Hygloss Rubber Round Balloon, 9 in, Assorted Color, Pack of 144	1
598992	Ahlstrom Qualitative Filter Paper - No. 613 - 9 cm Diameter - Pack of 100	1
1322721	Celly Soft Standard Roll Paper Towel, Perforated, 2-Ply, White, 85 sheets, Pack of 30	1
1603820	Parafilm M - 2 inches x 250 feet	1
1600331	DiversaMed ProGuard Disposable Exam Gloves, Medium, Blue, Carton of 100	1
1051752	SAS Derma-Lite Powder Free Exam Gloves, Large, Nitrile, Pack of 100	2
1475769	Scienceware Write-On Label Tape, 3/4 in X 40 yd, White, Pack of 4	2
085845	Cellulose Sponge, 6 x 3-1/2 x 1-3/8 Inches, Medium	5
01-1119	Styrofoam Cups - 6oz - Pack of 50	2
593076	Frey Scientific Stopcock/Vacuum Grease	1
2029056	Eisco Wood Splints, Pack of 1000	1



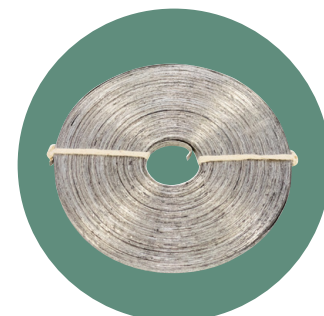
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ESSENTIAL CHEMICALS		
577626	Frey Scientific Acetic Acid, Glacial, 17.5 M, 2.5 L, Reagent Grade	1
580779	Frey Scientific Acetone, 500 mL, Lab Grade	1
1495503	Frey Scientific Aluminum Chloride, Light Yellow Crystal, Reagent Grade	1
577740	Frey Scientific Aluminum (III) Nitrate Nonahydrate, 500g, Reagent Grade	1
577797	Frey Scientific Ammonium Chloride, 500g, Reagent Grade	1
1462172	Frey Scientific Ammonium Hydroxide, 6 Molar, Reagent Grade, 500 mL	3
1495524	Frey Scientific Marble Boiling Chips, White Chips, Lab Grade	1
578136	Frey Scientific Buffer Solution, pH 10.00, 500mL, Reagent Grade	2
578115	Frey Scientific Buffer Solution, pH 4.00, 500mL, Reagent Grade	2
578220	Frey Scientific Calcium Chloride Anhydrous, 4-8 Mesh, 500g, Lab Grade	3
578271	Frey Scientific Calcium Nitrate, Tetrahydrate, 500g, Lab Grade	1
030-0442	Delta Education Paraffin Votive Candles	5
578334	Frey Scientific Activated Charcoal, 500g, Lab Grade	1
578406	Frey Scientific Citric Acid, Monohydrate, 500g, Reagent Grade	1
578556	Frey Scientific Copper (II) Carbonate, Basic, 500g, Lab Grade	1
578568	Frey Scientific Copper (II) Chloride Anhydrous, 500g, Reagent Grade	1
578577	Frey Scientific Copper (I) Nitrate Trihydrate, 100g, Reagent Grade	1
578604	Frey Scientific Copper (II) Sulfate Pentahydrate Crystals, 500g, Reagent Grade	1
578505	Frey Scientific Copper Turnings, 100g, Lab Grade	1
578709	Frey Scientific Ethyl Alcohol, Denatured, 95% Solution, 3.8 L, Reagent Grade	2
1125448	Sanford Non-Toxic China Marker, 3/16 in Lead Dia, Black	3
578928	Frey Scientific Hydrochloric Acid, 36.5-38%, 2.5 L, Reagent Grade	1
578982	Frey Scientific Hydrogen Peroxide 3%, 500 mL, Reagent Grade	2
578790	Frey Scientific Iron (II) Chloride Tetrahydrate, 100g, Reagent Grade	1
578751	Frey Scientific Iron (III) Chloride Hexahydrate Lumps, 100g, Reagent Grade	1
1016745	Frey Scientific Iron Degreased, 8-24 Mesh, 100g, Lab Grade	1
1495549	Frey Scientific Iron (II) Sulfate Heptahydrate, Greenish - Blue, FeSO ₄ · 7H ₂ O, Crystal Powder, Lab Grade	1



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ESSENTIAL CHEMICALS CONTINUED		
578766	Frey Scientific Iron (III) Nitrate Nonahydrate, 100g, Reagent Grade	1
579189	Frey Scientific Lycopodium, 100g, Lab Grade	1
573162	Frey Scientific Magnesium Ribbon, 1/8 Inches x 75 Feet	1
579273	Frey Scientific Magnesium Sulfate, 2.5 KG, Lab Grade	1
579300	Frey Scientific Manganese (IV) Dioxide, 99%, 100g, Reagent Grade	3
1495572	Frey Scientific Manganese (II) Nitrate, Pink, 50%, Liquid, Reagent Grade	5
573804	Frey Scientific Methyl Alcohol, 100% in Teflon-Coated Safety Bottle, 3.8 L, Reagent Grade	1
1016751	Frey Scientific Mineral Oil, 1L, Lab Grade	1
579510	Frey Scientific Nickel (II) Nitrate, Hexahydrate, 100g, Reagent Grade	1
579540	Frey Scientific Nitric Acid, 68-70%, 500 mL, Reagent Grade	1
579564	Frey Scientific Oxalic Acid, Dihydrate, 500g, Reagent Grade	1
579630	Frey Scientific Phenol Red, 5 g, Reagent Grade	1
579612	Frey Scientific Phenolphthalein, 100g, Reagent ACS Grade	1
579624	Frey Scientific Phenolphthalein 1% Isopropyl Solution, 500 mL, Lab Grade	3
579684	Frey Scientific Potassium Bromide, 100g, Reagent Grade	5
1495589	Frey Scientific Potassium Hydroxide, Clear, 0.1 M Aqueous Solution, Liquid, Lab Grade	1
579804	Frey Scientific Potassium Iodate, 500g, Reagent Grade	1
579837	Frey Scientific Potassium Nitrite, 100g, Lab Grade	5
580809	Frey Scientific Potassium Permanganate, 500g, Lab Grade	1
579906	Frey Scientific Potassium Thiocyanate, 100g, Reagent Grade	5
1515186	Frey Scientific Coarse Sand, 5Kg, Lab Grade	1
579990	Frey Scientific Silver Nitrate, 100g, Reagent ACS Grade	1
573822	Frey Scientific Sodium, 125 g, Reagent Grade	1
580014	Frey Scientific Sodium Acetate Trihydrate, 500g, Reagent Grade	1
568091	Frey Scientific Sodium Bicarbonate, Anhydrous, 2.5 KG, Lab Grade	1
1495599	Frey Scientific Sodium Bromide, White Crystalline/Powder, Reagent Grade	1
1016759	Frey Scientific Sodium Carbonate, 2.5 KG, Reagent Grade	1
576236	Frey Scientific Sodium Chloride, 735 g, Lab Grade	3
1495604	Frey Scientific Sodium Fluoride, White Crystalline Powder, Reagent Grade	1
580173	Frey Scientific Sodium Hydroxide, Anhydrous, 500g, Lab Grade	3
1495607	Frey Scientific Sodium Metabisulfite, White Granular Powder, Reagent Grade	1



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ESSENTIAL CHEMICALS CONTINUED		
580731	Frey Scientific Sodium Phosphate, Tribasic, Dodecahydrate, 500g, Lab Grade	1
1495608	Frey Scientific Sodium Phosphate Dibasic, White Crystal, Reagent ACS	1
1515187	Frey Scientific Sodium Phosphate, White, Lab Grade	1
580296	Frey Scientific Sodium Sulfate, Anhydrous, 500g, Lab Grade	1
1014905	Frey Scientific Sodium Thiosulfate, Anhydrous, 500g, Reagent Grade	1
580359	Frey Scientific Corn Starch, 500g, Lab Grade	1
580398	Frey Scientific Strontium Chloride, Hexahydrate, 500g, Reagent Grade	1
568112	Frey Scientific Sucrose, 500g, Reagent Grade	1
580452	Frey Scientific Sulfur, Precipitated Powder, 500g, Lab Grade	1
580464	Frey Scientific Sulfuric Acid, 18 Molar Solution, 500 mL, Reagent ACS	1
580593	Frey Scientific Universal Indicator Solution, 250 mL, Lab Grade	2
568127	Frey Scientific Zinc, Mossy, 500g, Technical Grade	1
580695	Frey Scientific Zinc Nitrate, Hexahydrate, 500g, Reagent Grade	1



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