



## Physical Science LabPaq - PS-1 - Experiment Titles

<b>EXPERIMENT #</b>	<b>EXPERIMENT NAME</b>	<b>FIELD</b>
EXPERIMENT 1	Laboratory Techniques & Measurements	General
EXPERIMENT 2	The Scientific Method	General
EXPERIMENT 3	Acceleration	Physics
EXPERIMENT 4	Friction	Physics
EXPERIMENT 5	Simple Machine - Lever	Physics
EXPERIMENT 6	Specific Heat Capacity of Metals	Physics
EXPERIMENT 7	Determining the Speed of Sound	Physics
EXPERIMENT 8	Separation of a Mixture of Solids	Chemistry
EXPERIMENT 9	Physical & Chemical Properties	Chemistry
EXPERIMENT 10	Ionic Reactions	Chemistry
EXPERIMENT 11	Stoichiometry of a Precipitation Reaction	Chemistry
EXPERIMENT 12	Caloric Content of Food	Chemistry
EXPERIMENT 13	Titration for Acetic Acid in Vinegar & Using Buffers	Chemistry



## Physical Science LabPaq - PS-1 - Contents List

Please immediately check your LabPaq against this list and promptly advise Hands-On Labs, Inc. of any problems or omissions. Call 303-679-6252 (Denver area) or 866-206-0773 (Toll-free, long-distance) or e-mail info@LabPaq.com. Problems will be promptly corrected ONLY if reported within 2 weeks of delivery. Returns for refund MUST be pre-authorized, received within 4 weeks of delivery, and EXACTLY follow the return procedures detailed on our website: www.LabPaq.com. Thank you, and best wishes for a great learning experience!

<u>QTY</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>DESCRIPTION</u>
2	Weighing Bag, 2"x 3"		
1	Beaker, 100 mL, glass	1	<b><u>The Scientific Method</u></b>
2	Beaker, 50 mL, plastic	1	Unknown #-1 in Vial
1	Burner-fuel	1	Unknown #-2 in Vial
1	Burner-stand	1	Unknown #-3 in Vial
1	Contents List - PS-1	1	Unknown #-4 in Vial
3	Cup, Styrofoam®, 8 oz	1	Unknown #-5 in Vial
1	Cylinder, 25 mL	1	Unknown #-6 in Vial
1	Cylinder, 50 mL		
1	DVD - PS-1		
1	Friction block set-PK	1	<b><u>Separation of a Mixture of Solids</u></b>
1	Funnel	1	Filter Paper 12.5-cm
1	Goggles-Safety	1	Mixture of Solids - 5 g in Bag 2"x 3"
1	Magnifier, dual	1	Weighing boat, Plastic
1	Pencil, marking		
1	Protractor	1	<b><u>Physical &amp; Chemical Properties</u></b>
1	PVC Pipe - 10 inches	1	Copper (II) Carbonate in Vial, 1/2 Full
1	Ruler, Metric	1	Copper (II) Nitrate Crystals in Vial
1	Safety card	1	Copper Metal - 6-8 pc. in Bag 2"x 3"
1	Scale-Digital	1	Magnesium Metal Pieces - 6-8 in Bag 2"x 3"
1	Scale-Spring-10-g	1	Magnesium Oxide Powder - 0.5 g
1	Scale-Spring-500-g	1	Sodium Chloride in Vial - Full
1	Stopwatch-digital	1	Zinc, Mossy - 6-8 Pieces, Bag 2"x 3"
1	Tape measure, 1.5-m		
1	Tape measure, 3-m	1	<b><u>Ionic Reactions</u></b>
1	Test Tube(6), 13 x 100 mm	1	Barium Nitrate, 0.1 M - 2 mL in Pipet
1	Test-tube-clamp-holder	1	Cobalt (II) Nitrate, 0.1 M - 2 mL in Pipet
1	Test-tube-cleaning-brush	1	Copper (II) Nitrate, 0.1 M - 2 mL in Pipet
1	Test-tube-rack-6x13-mm	1	Iron (III) Nitrate, 0.1 M - 2.5 mL in Pipet
1	Thermometer	1	Nickel (II) Nitrate, 0.1 M - 2 mL in Pipet
1	Tuning-Fork-384-Hz	1	Sodium Bicarbonate, 0.1 M - 2 mL in Pipet
1	Well-Plate-24	1	Sodium Carbonate, 0.1 M - 2 mL in Pipet
1	Well-Plate-96	1	Sodium Chloride, 0.1 M - 2.5 mL in Pipet
		1	Sodium Iodide, 0.1 M - 2.5 mL in Pipet
		1	Sodium Phosphate, 0.1 M - 2 mL in Pipet
		1	Sodium Sulfate, 0.1 M - 2.5 mL in Pipet
	<b><u>Auxiliary Chemicals Bag-CK-101</u></b>		
1	Aqueous Ammonia, 6 M		
1	Hydrochloric Acid, 6 M	1	<b><u>Stoichiometry of a Precipitation Reaction</u></b>
3	Pipet, Empty Short Stem	1	Calcium Chloride, Dihydrate - 2.5 g in Bag 2"x 3"
1	Sodium Hydroxide, 6 M	1	Filter Paper 12.5-cm
1	Bolt, Metal - Small	1	Sodium Carbonate - 2 g in Bag 2"x 3"
1	Magnet bar		
1	Marble	1	<b><u>Titration for Acetic Acid in Vinegar</u></b>
1	Pipet, Empty Short Stem	1	Phenolphthalein Solution, 1% - 0.5 mL in Pipet
1	Rubber stopper, #00 solid	2	Pipet, Empty Short Stem
4	Washers, Steel	1	Sodium Hydroxide, 0.5 M - 4 mL in Pipet
	<b><u>Auxiliary Supplies Bag-PK-CK-1</u></b>		
1	Bolt, Metal - Small	1	<b><u>Special Papers Bag-PK-CK-1</u></b>
1	Magnet bar	1	Litmus Paper, Blue - in Bag 2"x 3"
1	Marble	1	Litmus paper, Red - in Bag 2"x 3"
1	Pipet, Empty Short Stem	1	pH Test Strips, Wide Range with Color Scale - in Bag 2"x 3"
1	Rubber stopper, #00 solid		
4	Washers, Steel	1	<b><u>String &amp; Weight Bag</u></b>
		4	String - Qty-4.0 Meters
			Weight, 1/2 oz.