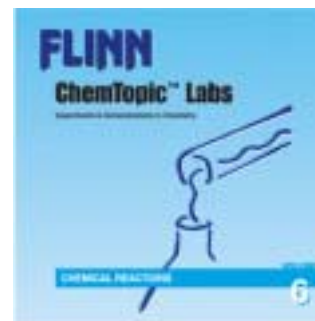


Chemical Reactions— Master Materials Guide



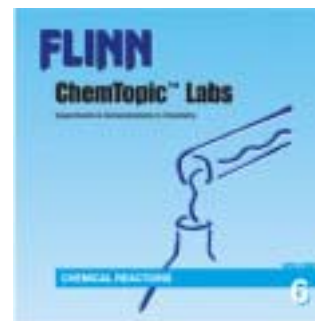
Materials listed below are recommended
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Experiments and Demonstrations

Chemicals	Flinn Scientific Catalog No.	Classifying Chemical Reactions	Double Replacement Reactions	A Four-Reaction Copper Cycle	Chemical Reactions & Qualitative Analysis	Chemical Reactions Primer	Colorful Electrolysis	The Chef	Foiled Again!	The Yellow and Blue Switcheroo	Old Foamey	Cool Light
Acetone	A0009			150 mL								
Aluminum foil	A0019							1				
Aluminum nitrate solution, 0.1 M	A0277		30 mL									
Ammonium carbonate	A0226	7 g										
Ammonium hydroxide solution, 6 M	A0192			50 mL	5 mL							
Ammonium nitrate	A0241		1 g									
Barium nitrate solution, 0.1 M	B0148		30 mL									
Bromocresol green solution, 0.04%	B0064					1 mL						
Calcium carbonate	C0347	7 g										
Calcium nitrate solution, 0.1 M	C0236		30 mL									
Calcium oxide, lump	C0028							200 g				
Copper powder	C0086			5 g								
Cupric chloride dihydrate	C0212	9 g			5 g			26 g				
Cupric nitrate solution, 0.1 M	C0245		30 mL									
Cupric sulfate solution, 1 M	C0246							140 mL				
Ethyl alcohol	E0007	25 mL			1 mL							
Ferric chloride solution, 1 M	F0069				5 mL							
Ferric nitrate	F0008			6 g								
Ferric nitrate solution, 0.1 M	F0047		30 mL									
Hydrochloric acid, 3 M	H0034			375 mL	50 mL	10 mL						
Hydrochloric acid, 1 M	H0013	75 mL										
Hydrogen peroxide, 30%	H0037								12 mL	20 mL		
Hydrogen peroxide solution, 6%	H0028				5 mL							
Hydrogen peroxide solution, 3%	H0009											15 mL
Iron wire, 18 gauge	I0050				4 cm							
Luminol	L0031											1 g
Magnesium ribbon	M0139	1.5 m										
Magnesium turnings	M0112			10 g								
Malonic acid	M0091								1 g			
Manganous sulfate	M0030								1 g			
Nitric acid solution, 6 M	N0048			100 mL								
Phenolphthalein solution, 1%	P0019	5 mL										
Phenol red solution, 0.02%	P0100				1 mL							
Potassium ferricyanide	P0050											1 g
Potassium ferrocyanide	P0053			5 g								
Potassium iodate	P0063								2 g			

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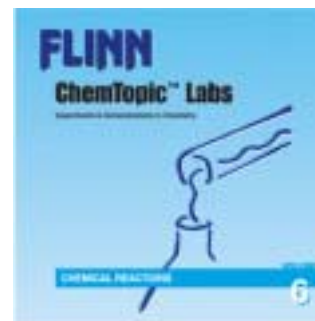
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Experiments and Demonstrations

	Flinn Scientific Catalog No.	Classifying Chemical Reactions	Double-Displacement Reactions	A Four-Reaction Copper Cycle	Chemical Reactions & Qualitative Analysis	Chemical Reactions Primer	Colorful Electrolysis	The Chef	Poiled Again!	The Yellow and Blue Switcheroo	Old Foamey	Cool Light
Chemicals, continued												
Potassium thiocyanate	P0225				1 g							
Silver nitrate solution, 0.1 M	S0305		30 mL									
Sodium carbonate solution, 0.1 M	S0235		45 mL									
Sodium chloride	S0061						20 g		2 g			
Sodium chloride solution, 0.1 M	S0237		45 mL									
Sodium hydroxide solution, 6 M	S0242			100 mL	50 mL							
Sodium hydroxide solution, 1 M	S0148	25 mL				5 mL						65 mL
Sodium hydroxide solution, 0.1 M	S0149		45 mL									
Sodium iodide	S0218										2 g	
Sodium iodide solution, 0.1 M	S0245		45 mL									
Sodium phosphate, tribasic	S0101	10 g		29 g		5 g						
Sodium phosphate, tribasic, solution, 0.1 M	S0250		45 mL									
Sodium sulfate solution, 0.1 M	S0251		45 mL									
Starch	S0122									1 g		
Sulfur	S0142					1 g						
Sulfuric acid, 1 M	S0202					2 mL				4 mL		
Universal indicator solution	U0001						100 mL					
Yeast, Baker's	Y0008					1 g						
Zinc, mossy	Z0003	55 g				9 g						
Zinc nitrate solution, 0.1 M	Z0026		30 mL									
Glassware												
Beaker, 50-mL	GP1005			15								
Beaker, 250-mL	GP1020			15						1		
Beaker, 600-mL	GP1030								3			
Beaker, 1-L	GP1040						1					2
Erlenmeyer flask, 125-mL	GP3040			30								
Erlenmeyer flask, 250-mL	GP3045					1						
Erlenmeyer flask, 2-L	GP9155											1
Funnel	GP5045			15								
Graduated cylinder, 10-mL	GP2005			15		5					1	
Graduated cylinder, 25-mL	GP2010			15								
Graduated cylinder, 50-mL	GP2015									3		1
Graduated cylinder, 100-mL	GP2020										1	
Graduated cylinder, 500-mL	GP2030								1			

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Experiments and Demonstrations

	Film Scientific Catalog No.	Classifying Chemical Reactions	Double-Replacement Reactions	A Four-Reaction Copper Cycle	Chemical Reactions & Qualitative Analysis	Chemical Reactions Primer	Colorful Electrolysis	The Chef	Poiled Again!	The Yellow and Blue Switcheroo	Old Foamey	Cool Light
Glassware, continued												
Petri dish with cover	GP3019					1						
Stirring rod	GP5075		15	15		1		1	1			1
Test tube, 13 × 100 mm	GP6063	90		90								
Test tube, 16 × 150 mm	GP6066				7							
General Equipment and Miscellaneous												
Balance, centigram (0.01-g precision)	OB2059		3					1	1			1
Battery, 9-V	AP1430					1						
Battery clip with alligator ends	AP8945					1						
Bunsen burner	AP5344	15			1							
Butane safety lighter	AP8960	3			1							
Centrifuge	AP8710			1								
Ceramic fiber squares	AP1240	15			1							
Deflagration spoon	AP1346				1							
Evaporating dish, porcelain	AP1272	15	15	1								
Filter paper, quantitative, 11-cm	AP8997		15									
Forceps, specimen	AB1093	15										
Funnel, utility	AP3202											1
Hot plate	AP4674		5									
Litmus paper, neutral	AP7934	1										
pH paper	AP1107		1									
Pipet, Beral-type, graduated	AP1721	90	60	150	5							
Pipet, thin-stem	AP1444		210									
Reaction plate, 24-well	AP1447		15									
Reaction plate, 96-well	AP1448		15									
Ring support, 4"	AP8232											1
Rubber stopper, size 00	AP2219			30								
Spatula	AP1323	15	15		1		1	1				
Support stand, 6" x 9"	AP8228											1
Test tube clamp	AP8217	15			1							
Test tube rack	AP1319	15		15								
Wash bottle	AP1668	15	15	15			1					
Water, distilled or deionized	W0007	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Weighing dishes	AP1278		15									
Wood splints	AP4455	45				2		1			1	