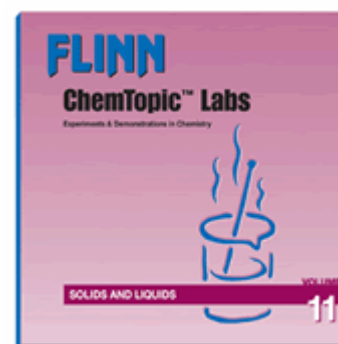


# Solids and Liquids— Master Materials Guide



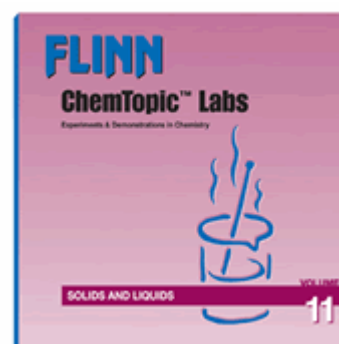
(for a class of 30 students working in pairs)

## Experiments and Demonstrations

	Flinn Scientific Catalog No.	It's Just a Phase	Properties of Liquids	Vapor Pressure of Water	How Cool Is That?	Teaching with Toys	Hot Wax	"Tennis Ball" Distillation	Surface Tension Jar	Freezing By Boiling	Wet Dry Ice	Four-Square Diffusion
<b>Chemicals</b>												
Acetone	A0009				25 mL					6 mL		1 mL
Boiling chips	B0136						2			2		
Camphor	C0354											1 g
Cleaner, dishwashing	C0241								1			
Dodecyl sulfate, sodium salt	D0040		1 g									
Ethyl alcohol, anhydrous	E0012				25 mL							
<i>n</i> -Heptane	H0051				25 mL							
Hexanes	H0046				25 mL							
Iodine	I0006											1 g
Isopropyl alcohol	I0019		15 mL		25 mL							
Isopropyl alcohol, 70%	I0021		21 mL									
Lauric acid	L0052	90 g										
Methyl alcohol	M0054				25 mL			1 mL				
Paraffin wax	P0003						10 g					
<b>Glassware</b>												
Beakers												
250-mL	GP1020	15					2	1				
400-mL	GP1025	15						1				
1-L, tall-form	GP1061			15								
Graduated cylinders												
25-mL	GP2010			15								
100-mL	GP2020	15										
250-mL	GP2025							1				
Ointment jar, 120-mL	AP8445		7									
Pasteur pipet, glass	GP7042											1
Stirring rod	GP5075							1				
Test tubes												
13 × 100 mm	GP6063				60							
18 × 150 mm	GP6067	15										
25 × 150 mm	GP6069							1				

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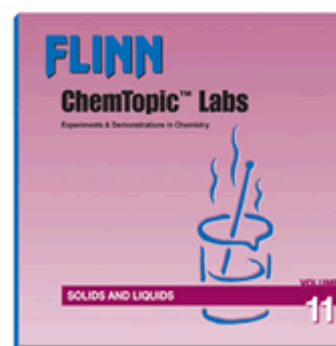
## Experiments and Demonstrations

	Flinn Scientific Catalog No.	It's Just a Phase	Properties of Liquids	Vapor Pressure of Water	How Cool Is That?	Teaching with Toys	Hot Wax	"Tennis Ball" Distillation	Surface Tension Jar	Freezing By Boiling	Wet Dry Ice	Four-Square Diffusion
<b>General Equipment and Miscellaneous</b>												
Balance, centigram (0.01-g precision)	OB2059	3					1	1				
Barometer	AP5070			optional								
Bell jar, large	AP1870				1							
Bell jar, small	AP6655								1			
Capillary tubes, open-ended	GP7046		90									
ChemCam™ video camera	AP4560								optional	optional	optional	
Clamp, buret	AP1034	15				1						
Corks, size 2	AP8302			60								
Cups, clear plastic	AP6543									1		
Cups, Styrofoam®	AP1190	30				2			1			
Drinking bird	AP9292				1							
Gloves, autoclave	AP8876			7								
Hammer	AP4436									1		
Hand boiler	AP9293				1							
Hot plate	AP4674	7		7		1						
Filter paper, 11.0 cm diameter	AP8997				60							
LabPro™ Interface System	TC1500				10							
Logger Pro™ software	TC1421				1							
Metric ruler	AP4684		15									
Pipets, Beral-type, graduated	AP1721		90		60							
Pipets, Beral-type, jumbo	AP8850			15								
Pipets, Beral-type, wide-stem	AP2253										1	
Plastic wrap	AP1736								8 in			
Pliers, long-nose	AP8389										1	
Reaction strips, 12-well	AP1446		15									
Ring support with clamp	AP8232			optional								
Rubber bands, orthodontic	AP2008				60							
Scissors, student	AP5394				10			1				
Spatula	AP8338	15										1
Stirring rods, plastic	AP8150			15								
Stoppers, size 2, one-hole	AP2302			15								
Storage container with lid	AP5909							1	1			

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## Experiments and Demonstrations

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<b>General Equipment and Miscellaneous, continued</b>												
Support stand	AP8226	15		optional			1					
Syringe with needle, 10-mL	AP1149							1				
Temperature probe	TC1502				20							
Test tube clamp	AP8217	15					1					
Test tube rack	AP1319				10							
Thermometer, digital	AP8716	22		15			2					
Vacuum plate	AP6683									1		
Vacuum pump	AP1597									1		
Vacuum tubing	AP8789									1		
Valve, three-way	AP5353									1		
Water, distilled or deionized	W0007 W0001		✓	✓						✓		
Weighing dishes	AP1278	15										
Wire gauze	AP1699			optional								

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