



Elements, Compounds, and Mixtures— Master Materials Guide

Materials listed below are recommended
for a class of 30 students working in pairs.

Experiments and Demonstrations

Chemicals	Flinn Scientific Catalog No.	Properties of Elements	Percent Water in a Hydrate	Paper Chromatography	Chromatography Challenge	Separating a Mixture by Filtration	Classifying Matter Worksheets	Polyurethane Foam	Analysis of Dye Mixtures	Simple Distillation
Acetone	A0009							optional	80 mL	
Aluminum shot	A0262	30 g								
Boiling stones	B0136									1
Charcoal block	C0203	1				5 g				
Copper(II) chloride solution, 0.1 M	C0382	150 mL								
Copper(II) sulfate, pentahydrate	C0102		10 g							
Eosin Y	E0023								1 g	
Ethyl alcohol, anhydrous	E0012								50 mL	
Fluorescein	F0043								1 g	
Food dye set	V0003							optional		1
Hydrochloric acid solution, 1 M	H0013	150 mL				150 mL				
Iron wire, 18 gauge	I0050	30 cm								
Magnesium ribbon	M0139	30 cm								
Manganese(II) chloride, tetrahydrate	M0027		10 g							
Methylene blue	M0072								1 g	
Polyurethane foam system	C0335							1		
Safranin O	S0339								1 g	
Salicylic acid	S0341					6 g				
Silicon	S0012	20 g								
Sodium hydroxide solution, 0.2 M	S0244					350 mL				
Sulfur roll	S0140	10 g								
Tin shot	T0057	30 g								
Zinc shot	Z0021	30 g								
Zinc sulfate, heptahydrate	Z0023		10 g							
Glassware										
Beakers										
100-mL	GP1010								4	
150-mL	GP1015	15								
250-mL	GP1020			15						
400-mL	GP1025								4	
Erlenmeyer flasks, 50-mL	GP3021					30				

Continued on next page

