



*Guide to Hazardous Materials*  
Investigations: The Barrel Mystery

Activity Title	Investigation Title	Student Sheets	Transparencies
1. <i>Exploring Hazardous Materials</i>	<i>What's in the Barrel?</i> <i>TMAI: What's Hazardous at Home?</i>		1.1 Hazardous Waste Flow Chart 1.2 Guidelines for Safety and Success in the SEPUP Lab 1.3 Household Hazardous Materials Sample Table 1.4 Feedback Form: Analyzing Data 1.5 Scoring Guide: Analyzing Data
2. <i>Identifying Types of Hazards</i>	<i>HAZMAT Training</i>	2.1 Testing for Hazards	2.1 Graphic Organizer: Hazards Testing
3. <i>Separating a Mixture</i>	<i>Making a Plan</i>		3.1 Graphic Organizer: Substances 3.2 A Sample Procedure
4. <i>Identifying Solids</i>	<i>So Many Solids</i>		4.1 Key to Identifying Solids
5. <i>Identifying Liquids</i>	<i>Looking at Liquids</i>		5.1 Key to Identifying Liquids
6. <i>Labeling Hazardous Materials</i>	<i>DOT Placards</i> <i>TMAI: Watching the Trucks Go By</i>		
7. <i>Transporting Hazardous Materials</i>	<i>Planes, Trains, and More</i>		7.1 Percentage of Accidents by Transportation Mode (Scale 1) 7.2 Percentage of Injuries by Transportation Mode 7.3 Percentage of Accidents by Transportation Mode (Scale 2)
8. <i>Evaluating Evidence</i>	<i>The Right Route</i>	8.1 Transportation Map 8.2 Calculating Costs	

The abbreviation TMAI indicates Thinking More About Investigation X. See page xiii.