10. Use appropriate hand protection when working with hot glassware or heat sources. Remember: hot glass doesn't look hot!

When diluting acid solutions, always add the acid to water slowly.
 Never add water to an acid.

 When heating substances in a test tube, point the open end away from yourself and others. Never heat a closed or stoppered container.

 Place solid trash in the designated trash container. Pour waste liquids into designated liquid waste containers.

 Do not return unused chemicals to a bottle. Dispose of them properly.

15. Notify the teacher of any injuries, spills, or breakages.

#### Lab Safety Equipment

Most school labs will have basic safety equipment designed to be used in an emergency. Find the following equipment in your lab and complete the table below. Your teacher may demonstrate how to use certain pieces of equipment.

Purpose	Location
removes chemicals that may splash into the eyes	
removes chemicals that may splash onto clothing; also, may be used to extinguish clothing fires	
extinguishes clothing fires; extinguishes fires on the lab bench	
extinguishes fires in the lab; different types of extinguishers for different kinds of fires	
provides basic medical supplies for treating common injuries	
	removes chemicals that may splash into the eyes  removes chemicals that may splash onto clothing; also, may be used to extinguish clothing fires  extinguishes clothing fires; extinguishes fires on the lab bench  extinguishes fires in the lab; different types of extinguishers for different kinds of fires  provides basic medical supplies for treating

name\_\_\_\_\_

"Do what you ought'er, add the acid to the water."



Figure 2 Lab eyewash stations and emergency showers can rinse off chemicals quickly.

# **Physical Science Lab Manual Investigation 5a**

**Ian Pickup** 

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