

Science Lab Safety

ANSWER KEY

When special care and attention is needed, while handling chemicals or equipment in the lab, this word is often used - **CAUTION**

General Safety Precautions (T - True) (F - False)

[If you mark the statement False, cross out or add words, to make it True.]

- F Wild behavior in the lab will result in precise, accurate results.
- F Open-toed sandals are acceptable footwear in the lab.
- F Contact lenses should be taken out when working with electricity.
- T Chewing gum in the lab will result in service clean-up activities.
- F Without adult supervision, experiments at home are allowed.
- F Always work alone, so that no one can copy your results.

Safety Equipment Identify the Lab Safety equipment by telling what it is, or drawing what it looks like.






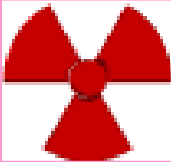
			
Fume Hood	Face Shield	Fire Extinguisher	Apron

Prep Work

There are 3 things that need to occur prior to starting a Lab. They are:

Read Everything Carefully and KNOW What is Expected
Prepare a Clear and Clean Working Space to Perform Your Experiment
Get Permission From the Teacher/Supervisor Before You Start

WHMIS Safety Symbols (and other safety symbols)

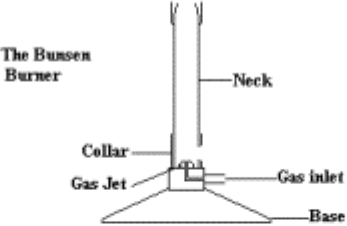


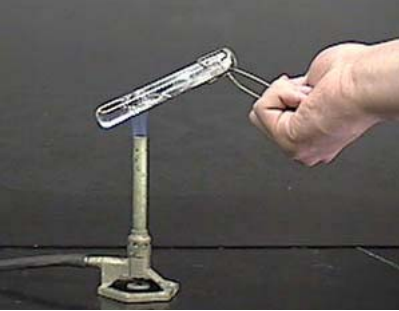
		
Biohazardous	Toxic	Flammable
		
Compressed Gas	Poisonous	Radioactive

WHMIS stands for ...

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

Lab Procedures and Techniques

(Explain what to do)

<p>Lighting a Bunsen Burner (5)</p>  <p>The Bunsen Burner</p> <p>Neck</p> <p>Collar</p> <p>Gas Jet</p> <p>Gas inlet</p> <p>Base</p> <p>The Two Bunsen Burner Flames</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="224 1394 548 1577"> <p>Heating Flame (Collar OPEN)</p>  <p>Hottest Point</p> <p>Lilac outer flame</p> <p>Blue Cone contains mixing gas & air</p> </div> <div data-bbox="597 1381 857 1577"> <p>Safety (Lighting) Flame (Collar CLOSED)</p>  <p>Flame is floppy and yellowy-orange in colour</p> </div> </div>	<p>Heating Chemicals in a Test Tube (5)</p> 
<p>Secure connections</p>	<p>Hold the test tube at an angle</p>
<p>No flammables around</p>	<p>Heat the top of the liquid</p>
<p>Proper air gas mix</p>	<p>Move in and out of the flame to heat evenly</p>
<p>Safety equipment</p>	<p>Point it away from yourself and other people</p>

Burns should be treated by applying **COLD WATER** or **ICE** .