

**Science 8**  
**Lab Safety and Skills**

Name: \_\_\_\_\_





Date: \_\_\_\_\_

Homeroom: \_\_\_\_\_

List five lab safety rules that we discussed in class.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Lab Safety Equipment: Map it Out**


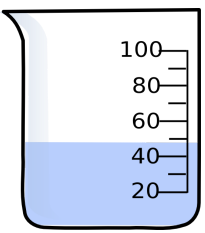
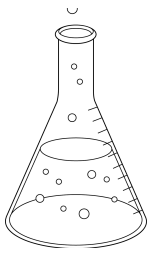
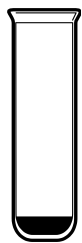
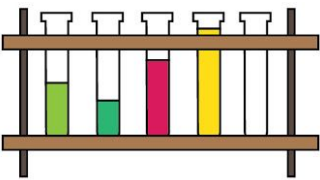
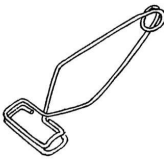
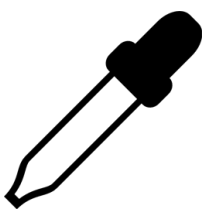
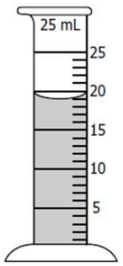
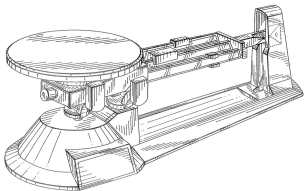



<p><b>Fire Extinguisher</b></p> 	<p><b>Fire Safety Blanket</b></p> <p><b>First Aid Kit</b></p> <div style="text-align: center;"></div> <p><b>Eye Wash Station</b></p> <div style="text-align: center;"></div> <p><b>Spill Kit</b></p> <p><b>Broken Glass Container</b></p> <p><b>Fume Hood</b></p> <div style="text-align: right;"><p><b>Fire Extinguisher</b></p>  <p><b>Exit</b></p></div>
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Create a legend and label each of the following pieces of Lab Safety Equipment found in the Science Laboratory.

- 1) Exit/Door
- 2) Spill Kit: A collection of items, to be used in case of a spill or leak. Spill kits are developed so that a quick response and clean-up may be performed.
- 3) First Aid Kit: A collection of supplies and equipment that is used to give medical treatment
- 4) Fire Extinguisher: A portable device that releases a material that will extinguish a fire
- 5) Fire Safety Blanket: A fire blanket is a safety device designed to extinguish starting fires. It consists of a sheet of fire retardant material which is placed over a fire in order to smother it.
- 6) Fume Hood: A type of ventilation device that is designed to limit exposure to hazardous fumes and vapors.
- 7) Broken Glass Container: All glassware that is no longer being used is placed in this container for safe handling and disposal

8) Eye Wash Station: Emergency eye wash is used to flush the eyes with water when dust, irritants, or chemicals enter the eye.

### Lab Equipment






 <b>H</b>	 <b>E</b>	 <b>I</b>	 <b>G</b>
 <b>C</b>	 <b>K</b>	 <b>F</b>	 <b>A</b>
 <b>D</b>	 <b>B</b>	 <b>J</b>	 <b>L</b>

Match the following items to the pictures (write the letter in the box corresponding with the correct picture):

- A. Graduated Cylinder
- B. Glass Stirring Rod
- C. Test Tube Rack
- D. Triple Beam Balance
- E. Beaker
- F. Dropper
- G. Test Tube
- H. Safety Goggles
- I. Erlenmeyer Flask
- J. Tongs
- K. Test Tube Holder
- L. Lab Apron

## WHMIS (Workplace Hazardous Materials Information System)

WHMIS is a comprehensive plan for providing information on the safe use of hazardous materials used in Canadian workplaces. One way to do this is through product labels and symbols. There are ten main symbols that you need to know. These symbols are also found on many common household products.

WHMIS Symbol	Description
	<p data-bbox="634 453 1468 548" style="text-align: center;"><b>Gas Cylinder</b></p> <ul data-bbox="678 562 1081 596" style="list-style-type: none"><li>- for gases under pressure</li></ul>
	<p data-bbox="634 726 1468 821" style="text-align: center;"><b>Corrosion</b></p> <ul data-bbox="678 835 1468 905" style="list-style-type: none"><li>- For corrosive damage to metals, as well as eyes and skin</li></ul>
	<p data-bbox="634 1062 1468 1157" style="text-align: center;"><b>Exclamation Mark</b></p> <ul data-bbox="678 1171 1468 1241" style="list-style-type: none"><li>- May cause less serious health effects or damage the ozone layer</li></ul>
	<p data-bbox="634 1377 1468 1472" style="text-align: center;"><b>Health Hazard</b></p> <ul data-bbox="678 1486 1430 1556" style="list-style-type: none"><li>- May cause or suspected of causing serious health effects</li></ul>
	<p data-bbox="634 1671 1468 1766" style="text-align: center;"><b>Flame Over Circle</b></p> <ul data-bbox="678 1780 1029 1814" style="list-style-type: none"><li>- For oxidizing hazards</li></ul>



## Environment

- May cause damage to the aquatic environment



## Exploding Bomb

- For explosion or reactivity hazards



## Flame

- For fire hazards



## Skull & Crossbones

- Can cause death or toxicity with short exposure to small amounts



## Biohazardous Infectious Materials

- For organisms or toxins that cause diseases in people or animals