










Part A: Lab Equipment

In this class you will be using many pieces of equipment, and you must know their correct names to safely do labs. There are many types of glassware, and each type is used for a specific purpose.

Name the pictured glassware and state what its main use is.

| | Name | Use |
|---|------|-----|
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There are several other pieces of equipment you will need to use. Complete the table below.

| | Name | Use |
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Part B: Safety Map

On a piece of blank paper draw a map of your science classroom. Include:

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|-----------------------------------|---------------------------------------|
| <input type="checkbox"/> Door | <input type="checkbox"/> Sinks |
| <input type="checkbox"/> Windows | <input type="checkbox"/> Whiteboards |
| <input type="checkbox"/> Cabinets | <input type="checkbox"/> Teacher desk |

Now label the location of the following pieces of safety equipment:

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|--|---|
| <input type="checkbox"/> Fire extinguisher | <input type="checkbox"/> Eye Wash station |
| <input type="checkbox"/> Fire blanket | <input type="checkbox"/> "Sharps" bin |
| <input type="checkbox"/> Broken glass bucket | <input type="checkbox"/> Safety glasses |
| <input type="checkbox"/> Emergency Shut-off (gas & electric) | |

There are some safety items out of the room. Describe how to get to the following:

- | | |
|---|---|
| <input type="checkbox"/> Fume Hood | <input type="checkbox"/> Fire Alarm Pull |
| <input type="checkbox"/> Emergency Shower | <input type="checkbox"/> First Aid Attendant (name) |

Put a tidy Legend on your map that shows all of the above *safety equipment*.

Part C: Safe Conduct

Use your textbook and on-lines material to answer these questions.

1. You knock over a test tube of liquid, which catches fire on the work bench.
What are the proper steps to take?

2. Your lab partner's hair catches on fire during a lab. What are the proper steps to take?

How could this accident have been prevented?

3. Explain the safe way to heat a chemical in a test tube.

4. As you are pouring a chemical into a test tube some of it splashes into your partner's eye.
What are the proper steps to take?









How could this accident have been prevented?

When are you *required* to wear safety goggles?








Part D: Chemical Labels

In our Science class, we will see labels from two different systems. WHMIS labels are placed on chemicals used in laboratories and factories and/or chemicals that are packaged in large volumes. The Consumer Hazard labels are used on chemicals that are used in the home and/or chemicals that are packaged in small volumes.

- 1. What does WHMIS stand for?
- 2. Write the name of the hazard beside each WHMIS symbol.

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- 3. What shape do all WHMIS symbols have?
- 4. Complete the Consumer Hazard Symbol by selecting the correct *hazard type* and *degree of risk*.

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