

Name: _____

Date: _____

Lab Equipment and Safety Practice SNC2P

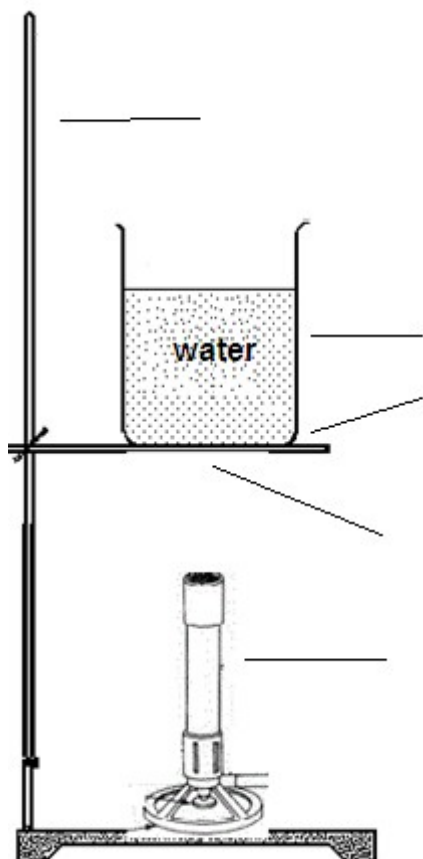
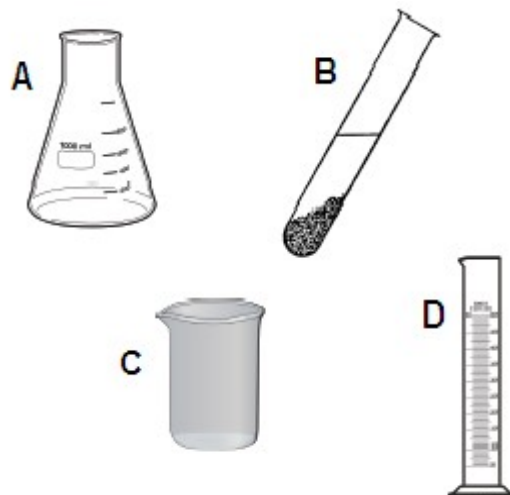
Part 1: Lab Equipment

1. Match each piece of lab equipment to its purpose:

- | | |
|---------------------|--|
| _____ Bunsen burner | A. used to pick up powdered chemicals |
| _____ forceps | B. used to support test tubes and beakers |
| _____ retort stand | C. used to pick up small object such as metal strips |
| _____ scoopula | D. used to heat chemicals |

2. Match each piece of lab equipment to its picture:

- _____ beaker
- _____ Erlenmeyer flask
- _____ graduated cylinder
- _____ test tube



3. Label each piece of equipment in the diagram at left. Set up the equipment as shown in the diagram.

Show your set-up to your teacher and have your teacher initial this space: _____

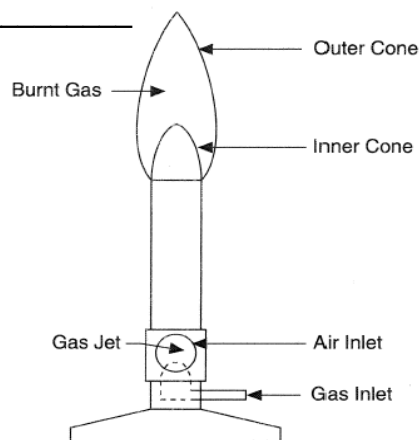
Demonstrate how to dispose of chemicals used in the laboratory by pouring the water and the first rinse of the glassware into the chemical waste container.

Return everything except the Bunsen burner to its proper location.

Note that glassware does not need to be dried before it is returned.

Part 2: The Bunsen Burner

1. Before lighting a Bunsen burner, you should close the _____
and the _____ on the burner.
2. The gas should always be turned on and off at the _____.
3. The burner should be lit by holding the _____
over the burner and striking a spark.
4. To control the height of the flame, turn the
_____.
5. For a hotter (blue) flame, you should open the
_____ by turning the _____.
6. On the diagram at right, draw an arrow pointing to the hottest
part of the flame.



Show your answers to your teacher and ask your teacher to initial here: _____

7. Close the air ports and needle valve and attach the burner to the gas outlet. Leave the gas off.
8. Hold the flint lighter over the burner and practice getting a spark.
9. Turn on the gas at the source and open the needle valve.
(You should hear the hiss of the gas.)
10. Light the burner using the flint lighter.
11. Use the air ports and needle valve to control the heat and height of the flame until you can see
an inner blue cone.

Show your hot flame to your teacher and have your teacher initial this space: _____

Part 3: Lab Safety

1. When should you wear your safety glasses?

2. What should you not wear during a lab?

3. Where should your lab stool be during a lab?

4. What should you do in the event of an accident?
