

## Lab Equipment Activity

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

Period: \_\_\_\_\_

**Part A:** Working with your lab partner(s), identify each of the pieces of laboratory equipment. Write the name of the lab equipment by its picture, as well as the letter next to the name on this worksheet.

| Letter | Lab Equipment         | Letter | Lab Equipment        |
|--------|-----------------------|--------|----------------------|
| _____  | 1. Beaker             | _____  | 13. Bunsen Burner    |
| _____  | 2. Graduated Cylinder | _____  | 14. Iron Ring        |
| _____  | 3. Test Tube Block    | _____  | 15. Test Tube Clamp  |
| _____  | 4. Test Tube          | _____  | 16. Water Bottle     |
| _____  | 5. Watch Glass        | _____  | 17. Evaporation Dish |
| _____  | 6. Crucible Tongs     | _____  | 18. Goggles          |
| _____  | 7. Erlenmeyer Flask   | _____  | 19. Pipettes         |
| _____  | 8. Scoopula/Spatula   | _____  | 20. Eye dropper      |
| _____  | 9. Funnel             | _____  | 21. Hot plate        |
| _____  | 10. Test Tube Holder  | _____  | 22. Thermometer      |
| _____  | 11. Wire Gauze        |        |                      |
| _____  | 12. Ring Stand        |        |                      |

**Part B:** Identify which piece of lab equipment would be most useful for each of the following tasks. Some lab equipment will not be used.

1. Measuring exactly 43 mL of water \_\_\_\_\_
2. Removing solid chemicals from a reagent bottle \_\_\_\_\_
3. Pouring 50 mL of liquid from one container to another \_\_\_\_\_
4. Holding 50 mL of boiling water \_\_\_\_\_
5. Dropping small quantities of liquids into test tubes \_\_\_\_\_
6. Holding a test tube over a Bunsen burner for heating \_\_\_\_\_
7. Protects your eyes from spattering solids and splashing liquids. \_\_\_\_\_
8. Determine if water is boiling \_\_\_\_\_
9. Covering a beaker of boiling water prevents spattering. \_\_\_\_\_
10. These four pieces of lab equipment would hold a test tube in a beaker of boiling water above a bunsen burner \_\_\_\_\_
11. Rinsing out glassware with distilled water \_\_\_\_\_
12. Heating a dissolved substance in water to drive off the water. \_\_\_\_\_
13. Holding hot objects in flame. \_\_\_\_\_
14. Heating substances to a constant temperature. \_\_\_\_\_
15. Transferring small quantities of liquid solutions from one container into another. \_\_\_\_\_
16. Measuring approximate amounts of liquids. \_\_\_\_\_

**Part C:** Perform the following activities at your station and record the results accordingly. Make sure you are learning the different pieces of equipment, you will be tested on them and their uses.

1. List the volumes of all beakers at the station.
2. Using the balance find the mass of a 250 mL beaker. (use correct digits).
3. Measure 25 mL of water in a 50 mL graduated cylinder. Pour the 25 mL of water into the 250 mL beaker and record the mass of the beaker + water. Now find the mass of just the water.

Beaker + water \_\_\_\_\_                      Water only \_\_\_\_\_

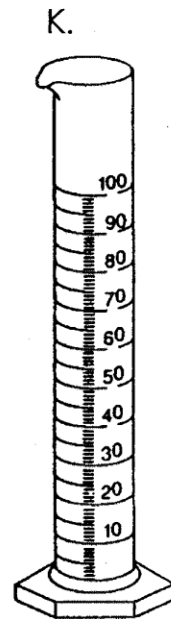
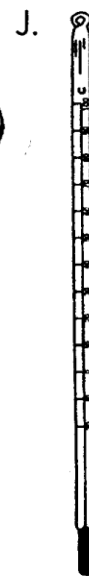
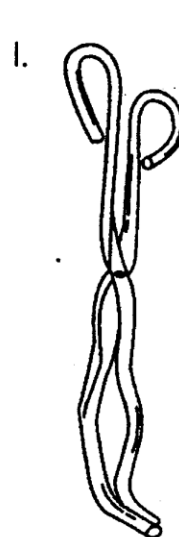
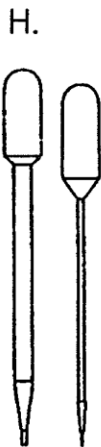
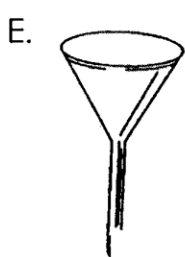
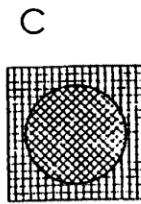
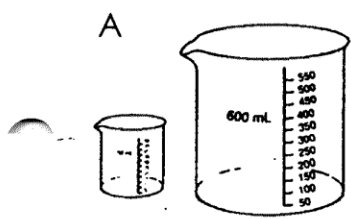
4. Describe and perform the procedure to find the volume of a penny.  
Procedure:

Volume: \_\_\_\_\_

5. Calculate the area of the wire gauze at your station.

Length: \_\_\_\_\_                      Width: \_\_\_\_\_                      Area: \_\_\_\_\_

6. Using the thermometer record the classroom temperature.



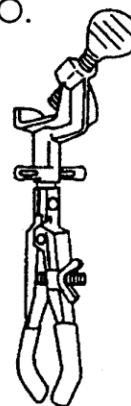
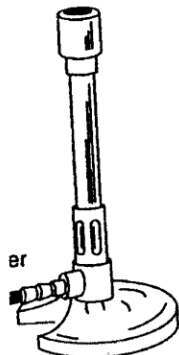
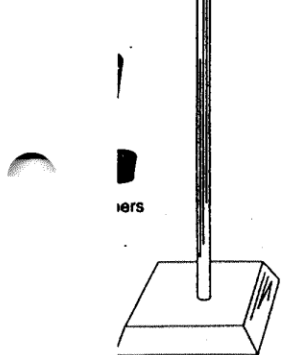
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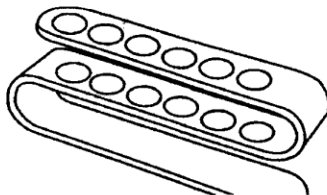
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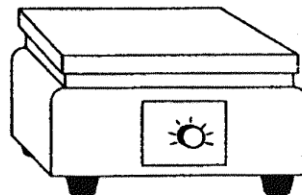
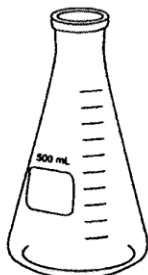
R.



S.

T.

U.



V.

