

Activity: Determining the Uses of Common Lab Equipment

Directions: Answer the following questions on a separate sheet of notebook paper. Please write your name, the date, and your class period on both pieces of paper. Staple the two sheets together.

1. List the scales that could be used for finding mass.
2. Which scale measures in grams?
3. Which scale measures in newtons?
4. List the three (3) pieces of equipment you would need if you wanted to support a beaker over the Bunsen Burner to heat water? (NOTE: do not count the Bunsen Burner in the three pieces.)
5. Name the piece of equipment you would use to most accurately measure a liquid's volume.
6. Name the piece of equipment you would use to transfer a liquid into a test-tube?
7. Which piece of equipment would be used to crush a solid into a powder? (NOTE: it contains two parts.)
8. List three (3) pieces of equipment that could be used to hold water to be heated over a Bunsen Burner.
9. Explain why you cannot pick up a beaker with test tube tongs nor a test-tube with beaker tongs.
10. Write what you think the top three (3) safety rules are for this science classroom and explain why you picked each. (NOTE: You may use the book pages xviii-xx.)
11. Which piece of equipment would help you precisely pick-up anything from a feather to a grain of sand AND can be used for making a microscope slide?
12. Explain whether a flask or a beaker will heat faster. (NOTE: think about how their shapes would effect heating time.)
13. Which piece of equipment will help you see the micro-view of an object?
14. Draw and label the piece of equipment you would use to target liquids into a container so they are not lost or spilled.
15. Which pieces of equipment would you use to safely clean and store a test-tube after an experiment?
16. Name the states of matter a thermometer can measure.
17. Which piece of equipment would be used to hold solids when being weighed or transported, but never used for heating?
18. Explain how a laboratory can be a dangerous place.