Laboratory Techniques Check List

Grade: (# of techniques done correctly / # of techniques observed X 100) _____ / _____ x 100 = _____

1. Safety – wore goggles / apron..... ***YES*** ***NO*** ***Notes***_____

2. Test odor by wafting ***YES*** ***NO*** ***Notes***_____

3. Lab Area / Room
   - a. kept lab table clean ..... ***YES*** ***NO*** ***Notes***_____
   - b. placed equipment/chemicals back in designated areas ***YES*** ***NO*** ***Notes***_____
   - c. cleaned lab equipment after use ..... ***YES*** ***NO*** ***Notes***_____

4. Directions
   - a. read and followed lab procedure ***YES*** ***NO*** ***Notes***_____
   - b. followed verbal and written changes to lab ..... ***YES*** ***NO*** ***Notes***_____

5. Test Tube Rack picked-up, carried, and used properly ***YES*** ***NO*** ***Notes***_____

6. Fume hood
   - a. kept poisonous/irritating chemicals under fume hood ..... ***YES*** ***NO*** ***Notes***_____
   - b. used fume hood properly ***YES*** ***NO*** ***Notes***_____

7. Bunsen burner
   - a. lit burner properly ..... ***YES*** ***NO*** ***Notes***_____
   - b. flame correct height ***YES*** ***NO*** ***Notes***_____
   - c. two blue cones ..... ***YES*** ***NO*** ***Notes***_____
   - d. object heated at the top of the inner cone ***YES*** ***NO*** ***Notes***_____

8. Ring Stand
   - a. ring placed in appropriate location for use ..... ***YES*** ***NO*** ***Notes***_____
   - b. used ring stand properly ***YES*** ***NO*** ***Notes***_____

9. Buret
   - a. set-up buret correctly ..... ***YES*** ***NO*** ***Notes***_____
   - b. used buret appropriately ***YES*** ***NO*** ***Notes***_____
   - c. read buret correctly ..... ***YES*** ***NO*** ***Notes***_____

10. Pipette used appropriately ***YES*** ***NO*** ***Notes***_____

11. Balance
    - a. placed solid substance on filter paper ..... ***YES*** ***NO*** ***Notes***_____
    - b. placed liquid in a beaker ***YES*** ***NO*** ***Notes***_____
    - c. tare or re-zeroed balance before use ..... ***YES*** ***NO*** ***Notes***_____
    - d. read balance correctly ***YES*** ***NO*** ***Notes***_____

12. Thermometer used / read properly ..... ***YES*** ***NO*** ***Notes***_____

13. Filtration
    - a. clean funnel used..... ***YES*** ***NO*** ***Notes***_____
    - b. filter paper folded & dampened correctly ***YES*** ***NO*** ***Notes***_____
    - c. liquid not filled past top of filter paper ..... ***YES*** ***NO*** ***Notes***_____

14. Heating/Evaporating Substances or Solutions
    - a. used wire gauze properly ..... ***YES*** ***NO*** ***Notes***_____
    - b. beaker/crucible/evaporating dish used properly ***YES*** ***NO*** ***Notes***_____
    - c. handled hot glass properly (beaker/flask tongs) ..... ***YES*** ***NO*** ***Notes***_____
    - d. used test tube holder, tongs correctly ***YES*** ***NO*** ***Notes***_____
    - e. test tube angled (not straight up and down) ..... ***YES*** ***NO*** ***Notes***_____

15. Transferring Liquids
    - a. used stirring rod to guide liquid ***YES*** ***NO*** ***Notes***_____
    - b. used a graduated cylinder for measuring liquid ..... ***YES*** ***NO*** ***Notes***_____
    - c. read graduated cylinder correctly ***YES*** ***NO*** ***Notes***_____

16. Transferring Solids
    - a. used spatula or spoon ..... ***YES*** ***NO*** ***Notes***_____
    - b. placed unused solids in designated area ***YES*** ***NO*** ***Notes***_____

17. Clean-up / Disposal of all chemicals properly ..... ***YES*** ***NO*** ***Notes***_____

18. Other: ***YES*** ***NO*** ***Notes***_____