**Quiz 6A**

# Directions: Answer each of the following questions. Be sure to use complete sentences where appropriate. For full credit be sure to show all of your work. Where appropriate answers should be boxed for clarity, written to the correct number of significant figures, and, include the proper units.

1. In this week’s lab which of the following observations will help to you to determine if a reaction has taken place (4 points)?
   1. Bubbles on a piece of metal.

No, unless you remove the bubbles and they continue to be produced.

* 1. The test tube feels hot.

Yes, if it occurs after you mix your solutions.

* 1. Two clear solutions are mixed together. The result is a cloudy solution. \_\_\_Yes
  2. The solution changes pH. \_\_\_Yes

1. Does the waste for this week’s experiment go into the inorganic or organic waste container (2 points)?

The waste for the Double Displacement Reaction goes in the inorganic waste container.

1. Are the following statements true or false (9 points)?

|  |  |  |
| --- | --- | --- |
|  | If you get too much a reagent you should put it back into the original container. | False |
|  | When pouring a liquid, you should hold the lids between your fingers and pour away from the label. | True |
|  | Weighing paper full of excess chemicals should be left by the balances to share with other students. | False |
|  | You must wear goggles when anyone is working with chemicals or flames. | True |
|  | You can estimate 3 mL of each solution before mixing them in the Double Displacement Experiment. | True |
|  | Never use a thermometer as a stir rod. | True |
|  | Reactions that give off poisonous gases will be done in a chemical hood. | True |
|  | If a chemical smells good, you should taste it. | False |
|  | When using a Bunsen burner, always turn on the gas first and then light the match. | False |