

Weak Acid Pre Lab

1. What does the equivalence point mean? How is the equivalence point found?
2. What is the proper procedure for filling a buret?
3. How does the indicator let you know that a titration has finished?
4. Two solutions have been titrated, one is light pink and one is a deep pink, which one do you think is more accurate? Why? (Think of what is happening in the reaction)
5. An acid solution is titrated with 10.03 mL of a 0.2065 M NaOH solution. How many moles of acid were in the original solution?
6. How many trials must be run to calculate the average?
7. How close should the trials be to give accurate and precise results? (think percentage here)
8. How reliable is a buret? How many significant figures are result from a buret reading?

Pre-Lab Notebook Preparation:

Fill out all of the header information you will need.

Write out a brief statement of purpose

Make any tables you will need in your lab notebook Copy the table of unknowns to your notebook

Write down any pertinent equations (think of the reaction between the unknowns and the base)