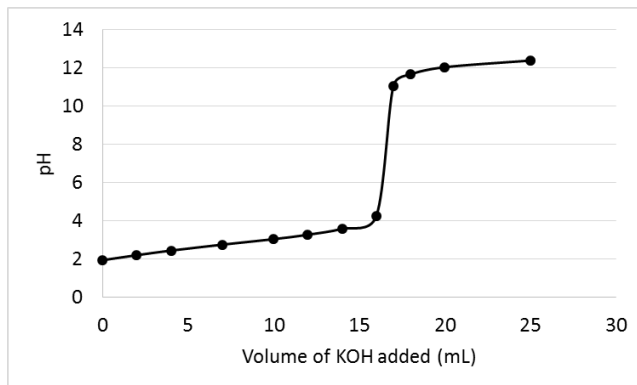


Name _____

Lab Day/time _____

Titration of a Weak Acid Pre-Lab Assignment

The titration curve shown was obtained for the titration of a 0.297 g sample of a solid acid with 0.150 M KOH.



1. What volume of KOH was added to reach the equivalence point?
2. How many moles of acid are present? Assume a 1:1 stoichiometry between acid and base.
3. What is the molar mass of this acid?
4. What is the pKa?
5. In Part A of the experiment, what volume of unknown acid will you use?
6. In Part B of the experiment, what mass of unknown acid will you use?