Acid-Base Titration Data Sheet				
Student Name:				
Partner Name:				
Date	Instructor's Initials	Grade		
	Dort One			
	Part One			
Mass of KHP =				
Moles of KHP =				
Moles of NaOH =				
Initial volume of NaOH in bure	t =			
Final volume of NaOH in bure	; =			
Volume of NaOH added to the	flask =			
Concentration of NaOH =				
Calculate the concentration of the NaOH solution. Show your work below. Write your NaOH concentration on the board in the front of the classroom. Once all other groups have completed their standardization, we will take an average. This average will be the concentration you will use to complete Part Two.				

Acid-Base Titration Data Sheet

Part Two				
	Trial 1	Trial 2		
Mass of Unknown Acid				
Initial volume of NaOH				
Final volume of NaOH				
Volume of NaOH Added				
Moles of NaOH Reacted				
Moles of Acid (monoprotic)				
Moles of Acid (diprotic)				
Moles of Acid (triprotic)				
Formula Mass of Acid (monoprotic)				
Formula Mass of Acid (diprotic)				
Formula Mass of Acid (triprotic)				
Average Formula Mass of Acid	d (monoprotic) =			
Average Formula Mass of Acid (diprotic) =				
Average Formula Mass of Acid	d (triprotic) =			
Show your work for determining the moles of acid present in your sample for trial one.				
Show your work for determining the formula mass of the unknown acid for trial one.				

Acid-Base Titration Data Sheet

Name	H⁺ Equivalence	Formula Mass (g/mol)
Oxalic Acid	Diprotic	126.065
Succinic Acid	Diprotic	118.088
Sulfamic Acid	Monoprotic	97.1
Citric Acid	Triprotic	210.14

Succinic Acid	Diprotic	118.088
Sulfamic Acid	Monoprotic	97.1
Citric Acid	Triprotic	210.14
Your unknown is one of the acids your unknowns identity. Justify yo	s in the table above. Based on you our answer.	r experimental results, predict
Calculate the percent error between your experimentally determined formula mass and the formula mass of your predicted acid. Comment on any potential sources of error in your technique.		