

Name			

### **Data Table**

## Part 1. Titration 0.10 M $\mathrm{CH_{3}COOH}$ with 0.10 M $\mathrm{NaOH}$

pH Equivalence Point (calc)			Selected Indicator			
Buret Reading mL	рН	Indicator Color	Buret Reading mL		Indicator Color	

Name
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## Data Table

# Part 2. Titration 0.10 M $\mathrm{NH_3}$ with 0.10 M HCl

pH Equivalence Point (calc) \_\_\_\_\_ Selected Indicator

Buret Reading mL	рН	Indicator Color		Buret Reading mL	рН	Indicator Color
			-			
			_			
			_			
			_			
			_			
			-			
			_			
			_			
			_			
			-			
			-			

## Post-Lab Graphs and Calculations

Graph the pH versus the mL of titrant for each of the titrations. Make sure the graph is large enough to reflect the care taken with measuring the pH and volume. Draw the best fitting smooth curve for the data. Label the equivalence point. Indicate the indicator color for each data point. Were the indicators selected appropriate for the two titrations? If not, why?