Chemistry 1094 pH and Indicators

Name:	Lab Section: Date:							
OBJECTIVE:	To apply the principles of the scientific method to determine the pH's of household products.							
PROCEDURE:	As in the chemistry 1094 handout provided.							
OBSERVATIONS:	Fill in the tables on the following two pages.							
QUESTIONS:								

1. Which indicator or indicators were most useful for determining pH's of household products? Explain why.

2. Which indicator or indicators were least useful for determining pH's of household products? Explain why.

OBSERVATIONS

Part B:	pH of buffers									
Name of Indicator	1	2	3	4	5	6	7	8	9	10
Bromo- thymol blue										
Thymol blue										
Bromocresol green										
Methyl orange										
Methyl red										
Raspberries										
Blueberries										
Cabbage										

Part C:	Name of Household Product								
Name of Indicator	Vinegar	Liquid Hand Soap	Timotei Shampoo	Clairol Conditioner	Ajax Household Cleaner	Windex Cleaner	Fantastik Spray Cleaner	Javex Bleach	
Bromothymol blue									
Estimated pH range									
Thymol blue									
Estimated pH range									
Bromocresol green									
Estimated pH range									
Methyl orange									
Estimated pH range									
Methyl red									
Estimated pH range									
Phenolphthalein									
Estimated pH range									
Cresol red									
Estimated pH range									
Cabbage									
Estimated pH range									
Estimated pH of Product									