Before starting:

Begin writing down the important components of a lab

Make a hypothesis

Prepare the two data tables needed for the experiment

Make predictions about the pH and classification of the chemical (acidic, neutral, or basic)

 Material Prep:

Partner A – Get 8 Dixie cups and label them with the sample names

 Pick up a piece of paper towel and eight strips of litmus paper with clean and

 DRY hand.

Partner B – With small Dixie cups, gather 3 different solutions. Use a pipette and properly labelled cups to measure out mL. Do not carry more than two samples at a time!

Partner C - With small Dixie cups, gather 3 different solutions. Use a pipette and properly labelled cups to measure out mL. Do not carry more than two samples at a time!

 Conduct your investigation one sample at a time:

Part 1

* Test by dipping litmus paper into the solution
* Remove and compare the resultant colour to the pH chart
* Place the wet litmus paper on the paper towel
* Record your observations

Part 2

* In your second data sheet, arrange the solutions from lowest to highest pH
* Get a sample of red cabbage juice
* Add 5 drops of red cabbage juice to the most acidic sample
* Record the resultant colour of the solution
* Continue to add the juice and record the resultant colour for each sample

Clean-up

Partner A - pour the samples into the bucket for disposal and throw away the cups

Partner B - throw away the paper towel with the litmus paper

Partner C - make sure the table is clean and dry

When your table is clean, I will do a check of your work area and you can wash your hands

Lab write-up:

Be specific with the amounts used

Look at your lab requirement handout to make sure you have all the proper components

Answer questions 1-5 from page 165 of your text for the Analyze and Apply section