INDICATOR PROJECT

We will be studying K's extensively with a high concentration on pH as an easy way to calculate these. These calculations are very easy to do in a lab with proper equipment and meters. You however will not always have the meters etc. at your disposal. Over the next few weeks you need to develop a scheme using material around your home to determine pH of various substances. We have done a similar thing in class using red cabbage already.

You need to develop a home pH test kit; directions and a solution, test paper or some other scheme to test a large range of pH's from 2 - 12, using common substances, most likely plant extracts (other then red cabbage) . You may find that a combination of extracts is needed to give precise readings throughout this pH scale. For the purpose of development you may borrow a pH meter for your use at home or use your red cabbage results and are welcomed to create a set of "known valued" pH test tubes in the lab. You will submit your procedure, data, and recommendation along with detailed instructions for use as well as a sample of the indicator when we come back from break. Include your failures as well as your successes and the reasons for your selection. Be sure to try you indicators on home products (as well as "pure samples" if you created them) . Be conscience of your controlled variables as well as the obvious independent and dependent variables throughout this work.

I would expect each of you to have a unique set of information and procedure. Remember how you reach your conclusions is often equally or more important than the conclusion itself