**SBI4U Culminating Review Topics**

**DAY 1: Design a lab REVIEW**

Topics that you should review before DAY 1 of your culminating:

* Design an investigation:
  + Purpose
  + Hypothesis
  + Determining independent, dependent & controlled variables
  + Materials-regular lab equipment terminology
  + Safety information for Bromothymol Blue
  + Designing a Procedure-what makes for a good experiment? Multiple trials? Variables to investigate, Qualitative/Quantitative instructions
  + Set-up/design of an observation table
  + Predicting results

You will need to get familiar with HOW Bromothymol Blue works as an indicator? (It’s purpose is to….. which is observed by….)

**DAY 2: Interpreting and Analyzing Lab Data**

Topics that you should review before DAY 2 of your culminating:

**Part A:**

* Enzymes and how they function
* pH of small intestine
* Detecting the presence of glucose in substances
* Dehydration vs. hydrolysis reactions
* Qualitative vs quantitative
* Make a conclusion

**Part B:**

* Graphing data & interpreting it
* Identifying/determining a hypothesis, variables and conclusion from data
* Insulin (How it works and where it comes from)
* Glucagon (How it works and where it comes from)