Writing a Lab Discussion

Until we get more comfortable with this format I'm going to require that you split this into 4 separate sections as shown below:

DISCUSSION:

Claim: Lettuce seeds germinated most successfully using Wolgie Brand Garden Additive.

Evidence: Lettuce seeds exposed to Wolgie Brand garden chow had an average germination rate of 93.2%. <<This should be taken directly from the data table>>

Reasoning: Wolgie Brand garden chow contained 50% more microorganisms by weight than any other additive. We know that those microorganisms work to 'fix' nitrogen from the atmosphere and therefore make nitrogen compounds available to the lettuce seeds. Since nitrogen is a key component required by the lettuce seeds to germinate it follows that the more microorganisms present the more nitrogen is fixed and made available to the lettuce seeds to germinate. <<The reasoning should serve to 'knit together' your claim and your evidence by showing scientifically reasoning>>

Error Discussion: Upon completion of our experiment we discovered that Wolgie Brand garden chow was very slightly contaminated by microorganisms from Mars. We believe that contamination only amounted to about .01 gram which would have, when dissolved, contaminated only about 15% of our sample. Given that Wolgie Brand Plant Chow out-performed all the other additives it follows that our results are somewhat lower than they should be. Therefore if we did this experiment again we would most likely find a higher germination rate of lettuce seeds using uncontaminated Wolgie Brand Garden Chow. <<NOTE: Do not just toss error ideas into your discussion like so many pieces of spaghetti thrown against the wall and hoping for one to stick. Be specific in your error analysis and follow how that error might have influenced various calculations, data and conclusions>>