Expectations of a lab report conclusion:

A.) You must write a conclusion **for every lab**

B.) A conclusion consists of 3 parts (3 paragraphs) and each must be complete

Summarize

Analyze

Discuss

1. Did I complete the purpose of the lab?
   - Write a paragraph about what you did (small summary)
   - State your results - experimental data - numeric/factual - "What did I find out"

2. Analyze your results and discuss how they compared to the theoretical data
   - State what the theoretical or expected result was
     (ask the teacher, look in your book, or look it up on-line)
   - State your % error and discuss whether it is acceptable
     (A % error of 5% or lower is very good)
   - Explain why your % error is high or low (2 reasons at least and they must be supported by possible LAB errors, NOT MATH ERRORS)

3. Discuss - If you were to do the lab again, how would you improve it?
   - Different equipment
   - Different technique - BE SPECIFIC
   - How to minimize errors

Error Sources to think about:

Every lab you do, you will need to ask yourself, “What are some sources of error?”

Method:

List of SOME possible method errors:

-These are things you can control

Measurement::

List of SOME possible measurement errors:

-May or may not be controllable