INTRODUCTION
In a few sentences, give some background on this project. For example, tell us the following.
1. What is your study organism? (species; life cycle stage)

2. Why is it an appropriate organism for your study?

3. What are you manipulating in your caterpillar's environment?

4. Why are you testing this variable? (Why is it important to caterpillars?)

5. What is your null hypothesis?

6. What is your alternate hypothesis?

7. What is your prediction, and why?
Group: ........................................................................................................................................

METHODS
In a few sentences, tell the reader what you did and how to do it.
1. How many organisms in your treatment and control groups?
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2. How did you set up your organisms in their treatment or control groups (give all details)?
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3. What things were held constant?
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4. What variable was not held constant?
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5. What did you measure in your treatment & control groups? (weight? Metamorphosis time from \( \rightarrow \) to? etc.)
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7. What type of statistical test did you use to analyze your data?
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RESULTS
In a few sentences, tell us what you found in your experiment.
1. What are the statistics of your treatment & control groups (as appropriate; e.g. means of weight, length how many days it took to go from stage X to stage Y, or whatever you measured.)

   **treatment:**
   
   **control:**

2. What were the results of your statistical test?

3. Did your statistical test indicate that you should accept or reject your null hypothesis?

4. Attach your data in neat, tabular form to this sheet. In the space below, write a legend to the data, telling me exactly what is in the table. Don't forget to tell me the units you used to measure your data (weight in grams; number of days, etc.)
DISCUSSION
In a few sentences, explain your findings. This is the most important part of your paper!
1. Which hypothesis did you accept?

2. How does the above follow (or not follow) your predictions?

3. What, exactly, do your data tell you (e.g. - caterpillars eating deadly poison don't grow as well as caterpillars eating nice, tasty food)?

4. To the best of your ability, using logic and creative reasoning--EXPLAIN WHY YOU BELIEVE YOU SAW THE RESULTS YOU SAW!

5. What future experiments could be done to further shed light on what this experiment told you about caterpillar growth and development?

6. Give a summary statement that draws the entire experiment together!