Title (List your title being specific about what your research covers. Such as:

Comparison of Personal Waste to the State Average)

Student Name

Class

Grantham University

Date

## Introduction: (week one)

This should be your revised submission from week one. You will discuss your thoughts and observations of how much trash you used and how that led to your hypothesis. Connect the ideas from the article you found with these similar data points of your personal waste.

Hypothesis: List the hypothesis you chose from the available list in Week 1. Then state your prediction in terms of the experiment, such as, “After collecting my trash for 24 hours, my personal trash will have less plastic than the average of my peers’ collected trash.”

## Methods: (week three)

Explain what you did. Include steps taken for collecting your trash, categorizing your trash and measuring your trash as well as getting the data from your peers. This should be written in a step-by-step process and be clear enough that it could be repeated by someone else.

## Results: (week five)

This should include tables and bar graphs. You need to summarize the data you collected, as well as well as your peers. Make sure your graphs and tables are well labeled so that anyone who is reading them could interpret them.

1. One table with the summary of:
   1. your trash categories, weights and totals
   2. your peers’ categories, weights and totals.
   3. Your state and national weights
2. One bar graph comparing:
   1. Your data
   2. The comparison data from the hypothesis

You do not need to include the itemized list of your trash.

Write out general trends, such as, “All data was similar in paper,” “One peer had more metal which raised the peer average,” etc.

## Conclusion: (week seven)

How did you interpret the data in the context of the hypothesis? For example, “Based on my percentage of plastic comprising 30% of my total trash, and my peers’ average being 10%, my hypothesis is rejected. I had a greater percentage of plastic than my peers.”

Explain any significant details related to the experiment. For example, “Had I collected trash on a less busy day perhaps I would not have had so much trash.” What other things could be done to affect the outcome? What does the amount of trash you and your peers generate tell you about your ecological footprint? What options are there to divert waste from the landfill (Refuse, Reduce, Reuse, Recycle)? Based on what you learned, what other topics would be good for future research?

Acknowledgements:

Cite your references in APA format and acknowledge your group members.