

Experiment Title goes here  
and must be less than 60  
characters

Your name

Amount of years participating in PJAS

Grade 7 or 8

Region 8

# Justification

**On this slide you explain why you did the experiment. For example:**

My family uses a lot of paper towels and I wanted to test to see which one soaked up the most amount of liquid. This way, my family can purchase the best paper towel for the job.

# Hypothesis

**This slide explains what you believe will happen prior to doing your testing and why you believe it. For example:**

My Hypothesis is that the Sparkle® paper towels will soak up the most liquid. I believe the Bounty™ paper towels will soak up the second most amount of liquid and the generic paper towels will soak up the least. I think that the Sparkle® paper towel would work best is because the ads on tv show that it was a good paper towel.

# Vocabulary

**This slide should list words and definitions for any word that you did not know before doing the experiment or that you think the judges and other participants may not know. For example:**

- **Pith** the soft, spongy central cylinder of parenchymatous tissue in the stems of dicotyledonous plant.

# Materials List

**This slide should list all the materials that you used to do your experiment. All measurements **MUST** be in metric. For example:**

- 3 Bounty™ paper towels (2 ply – 27.94 cm x 27.94 cm)
- 3 generic paper towels (2 ply - 27.94 cm x 27.94 cm)
- 3 Sparkle® paper towels (2 ply - 27.94 cm x 27.94 cm)
- Digital kitchen scale (Royal Brand)
- 1.89271 Liters measuring cup
- baking pan 25.4cm w 35.56cm l 6.35cm
- Continue your list...

# Research

**The research slide is where you provide information about the topic that you are doing the experiment on. For my paper towel experiment, you would want to research the history of the paper towel and how they are made.**

# Procedure

The procedure section is where you describe in a step-by-step explanation exactly how you did the experiment. You may want to consider using photos to show your experimental set up. For Example:

- First, you take two sheets of paper towels
- Next, you cut them so that all the paper towels tested are the same size (using metric measurements)
- Then, fill up the baking tray with 3 liters of water
- **And continue with the steps that you use being specific enough that the judges and participants would be able to follow your procedure and get similar results**



# Procedure Continued

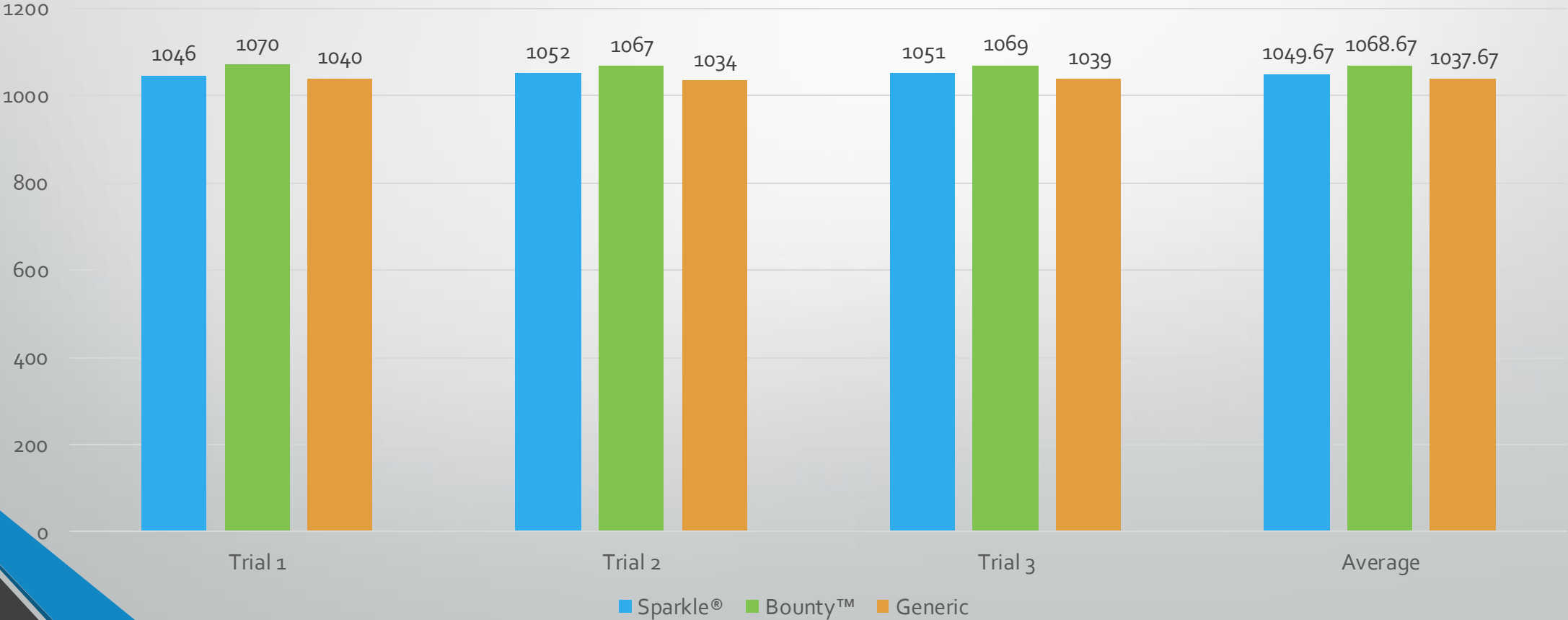
**You must include your variables for your experiment in the procedure section of the presentation:**

- The independent variable is **the one variable the investigator chooses to change.**
- Controlled variables are variables that are kept the same each time.
- The dependent variable is the variable that changes as a result of /or in response to the independent variable.



# Results/Graphs

How much water soaked up in grams



# Conclusion

**This slide is where you analyze your data and tell the judges and other participants if your hypothesis was proven or disproven. For example:**

My hypothesis was proven incorrect. The one that that did soaked up the most water was Bounty™... I believe this happened because...

# Further Research

**This slide is the place where you discuss any changes you would make to your presentation after the fact or any issues that might need to be addressed to the experiment if you were to do it again. For Example:**

If I were to do this experiment again, I would try to add other paper products like toilet paper and tissues. If you were in a situation where you had no paper towels, you could use toilet paper or tissues..... I noticed that the 3 liters of water was not enough, and all the paper towels were able to soak it up. I might cut the paper towels smaller or use more water to make my results clearer.

# Did You Know?

**This slide is for "fun" facts about the topic that you did your experiment on. For example:**

- The first paper towel was made by Irvin Scott and Clarence Scott, who were from Philadelphia.
- The paper towel was introduced in 1931.
- And so on...

# Bibliography

**This section will contain the resources that you used to get your information for your research section. You should try to use both the internet and books for your research. For example:**

“Paper Towel History.” *Paper Towel History*, [www.toiletpaperhistory.net/toilet-paper-history/paper-towels-history](http://www.toiletpaperhistory.net/toilet-paper-history/paper-towels-history). Accessed 22 Oct. 2022.