**Popcorn Lab 100 points**

You are working at a movie theater and your boss comes up to you with a problem. He mentions that the production of popped popcorn is too low; every batch has a high amount of unpopped kernels. You research something online that if you freeze your popcorn then try to pop it, you will yield a better result.

This is a formal lab write-up. You must give me the purpose, research and hypothesis based on the information given. Research section, look up how popcorn is made and your hypothesis on whether or not freezing popcorn before popping it will work or not.

**Materials:**

* 2 bags of unpopped popcorn (one out of the box and the other out of the freezer, make sure they are the same brand and flavor)
* Microwave (note the brand and watts)
* Paper towels

**Procedures:**

1. Collect the materials.
2. Place the room temperature microwavable popcorn into the microwave with the flaps facing up.
3. Set the microwave for 2:30 minutes for the room temperature popcorn. Wait for the timer to go off
4. CAREFULLY remove the popcorn from the microwave when the microwave beeps.
5. Open the bag onto the paper towels
6. Count the popped popcorn and the unpopped kernels and record your data
7. Repeat steps 2-6 for the freezer microwavable popcorn.
8. One you are cleaned up and got your data, enjoy your results.

\*\* Note lab safety for this lab or -15 (luckily for this one, no MSDS you need to mention)

**Data:**

|  |  |  |
| --- | --- | --- |
|  | Room Temperature | Freezer |
| Popped popcorn |  |  |
| Unpopped popcorn |  |  |

You may add more data if necessary

**Conclusion:**

Was your hypothesis correct? Why or why not? Any errors noted? Be sure this is a well written paragraph of your data and research.