**Bubble Gum Experiment**

Design an experiment to test the “bubblity” (ability to make big bubbles) of two different bubble gum brands. Your experiment must be planned out step by step before you will be given any bubble gum to test. Make sure to have ***quantifiable*** (can be measured) steps and data, and measure everything in ***metric*** units.

1. State the problem being addressed in the experiment. Put it in the form of a question.
2. State your hypothesis (“I predict that….”)
3. List the steps of your experimental procedure. Use enough detail that someone could do your experiment **exactly** the way you did. Make sure to include all measurements needed to perform the experiment (how long or how many chews, etc.) You must have *multiple* trials to get sufficient data!

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| **Step Number** | **Description of Step** |
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1. MATERIALS: List the materials needed for your experiment.
2. DATA! Show me your data. Make sure it **clearly** shows the results of your experiment. This can be a list, a chart/table, or any other form that you can use to show your findings. You must show ***averages*** for your trials (If you measured 3 bubbles for a brand, show that data and then also show the average of the three measurements).
3. What are your conclusions? Tell me whether you proved or disproved your hypothesis. What did your findings tell you about the two brands of gum?
4. Reflection:
   1. If you had the opportunity to design the experiment all over again, what would you change?
   2. What was your role in your team during this experiment? How did **YOU** contribute to the overall process?