**Mission ImPOPible**

**PROBLEM/QUESTION: Which brand is the best *quality* microwave popcorn?**

* **Which brand leaves the least amount of un-popped kernels?**
* **Is there a difference in the weight of the popcorn before & after popping?**
* **Is there difference in the volume of the popcorn before & after popping?**

**RESEARCH: Consumer scientists test the *quality* of products. They need to have an *unbiased opinion*.**

**HYPOTHESIS:**

1. **I hypothesize that the brand that has the best popcorn will be\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **I hypothesize that the weight of the popcorn before popping will be\_\_\_\_\_\_\_\_\_ compared to the weight after popping.**
3. **I hypothesize that the volume of the popcorn before popping will be\_\_\_\_\_\_\_\_\_ compared to the volume after popping.**

**EXPERIMENT:** (3 parts = materials, procedure, data collection)

 **MATERIALS: What “stuff” you need.**

**PROCEDURE: Step by step what you’ll do.**

**DATA COLLECTION: Organize your data.**

**ANALYSIS: Look at your data. What does it tell you? Go back & look @ the QUESTIONS. Look @ your HYPOTHESES. Write about your hypotheses.**

**CONCLUSION: Use the class data. Go back & answer the QUESTIONS. Tell if your HYPOTHESES are correct. What is your final verdict?**

**COMPARE/SHARE: Class Data & Conversation.**

