



# Bubble Gum Lab

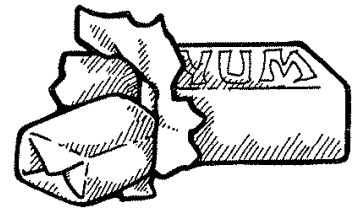
**Problem:** What happens to the mass of gum after it is chewed for ten minutes?

**Hypothesis:** IF \_\_\_\_\_ then \_\_\_\_\_  
because \_\_\_\_\_

**Independent Variable:** \_\_\_\_\_

**Dependent Variable:** \_\_\_\_\_

**Materials:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Procedure:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Data:**

Mass of gum *before* chewing: \_\_\_\_\_ g

Mass of gum *after* chewing: \_\_\_\_\_ g



**Conclusion:**

1. Explain how your hypothesis was supported/not supported by the data from your experiment
  - a. My hypothesis was supported. I predicted that the mass would \_\_\_\_\_ and it did. The mass before chewing was \_\_\_\_\_ g and the mass after chewing was \_\_\_\_\_ g. **OR**
  - b. My hypothesis was not supported. I predicted that the mass would \_\_\_\_\_ but the mass \_\_\_\_\_. The mass before chewing was \_\_\_\_\_ g and the mass after chewing was \_\_\_\_\_ g.
2. Identify any possible errors or factors that could have affected your experiment.
3. Discuss what you might do differently next time and what other related experiments you would want to do.





# Bubble Gum Lab

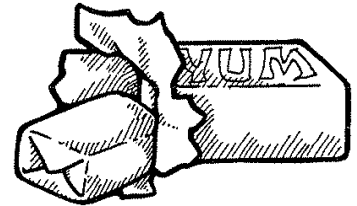
**Problem:** What happens to the mass of gum after it is chewed for ten minutes?

**Hypothesis:** IF I chew gum for ten minutes then the mass will decrease because as you chew the gum you suck out all the sugar

**Independent Variable:** type/brand of gum

**Dependent Variable:** mass/weight of gum (grams)

- Materials:**
- Triple Beam Balance
  - 6 different flavors of bubble gum
  - Timer
  - Wax paper

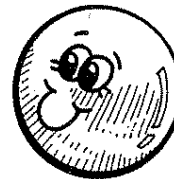


**Procedure:**

1. Weigh the gum
2. Chew the gum for 10 minutes
3. Weigh the gum again

**Data:**

Mass of gum *before* chewing: 20 g  
Mass of gum *after* chewing: 7 g



**Conclusion:**

4. Explain how your hypothesis was supported/not supported by the data from your experiment
  - a. My hypothesis was supported. I predicted that the mass would decrease and it did. The mass before chewing was 20 g and the mass after chewing was 7 g. OR
  - b. My hypothesis was not supported. I predicted that the mass would \_\_\_\_\_ but the mass \_\_\_\_\_. The mass before chewing was \_\_\_\_\_ g and the mass after chewing was \_\_\_\_\_ g.
5. Identify any possible errors or factors that could have affected your experiment.

**While I was chewing I took a drink of water. The water could have affected the results by taking out more sugar.**
6. Discuss what you might do differently next time and what other related experiments you would want to do.

**Next time I will concentrate more while chewing and be more precise when measuring the gum.**

