

Lab Title:... *Lollipop Hypothesis* Lab #:.....

Lab Partners:.....

Your Lab Score will be based on the following:

Neatness: All labs must be **well-written and done in pencil** unless directed otherwise. There are to be no cross-outs or misspelled words. Questions should be answered in complete sentences.

Accuracy: Certain **questions will be checked** for accuracy.

Completeness: All questions are to be answered completely. There are to be **NO BLANKS** or incomplete sections.

Lab Class Procedure: You are to **follow directions** and use lab equipment properly, work for the entire period, and follow proper clean-up procedures

Rubric:

Lab Score Category	Points Earned										
Neatness	0	1									
Accuracy	0	1	2	3	4						
Completeness	0	-----								3	
Lab Class Procedure	0	1	2								
<u>Total Lab Score</u>	0	1	2	3	4	5	6	7	8	9	
	10										

You are to submit all lab material with this lab report:

Comments:

2. a. What color did your class select with the greatest frequency when asked to write down the name of a color?
- b. List at least three (3) ideas why you think that color is so popular.
- 1.
 - 2.
 - 3.
3. a. What lollipop color was most frequently selected in your class?
- b. Was the lollipop color and the color identified in 2a above the same?
- c. Provide an explanation why those colors matched or didn't match.
4. What factor(s) other than color might be involved in choosing lollipops?
5. What might be an advantage in using *M & M* type candies in testing color preference?
6. There are several flaws in the design of this experiment. List as many flaws as you can think of below.
7. Keeping the hypothesis about lollipop color, what could you do to correct this experimental design problem?

8. Develop a hypothesis to determine the peanut butter preference (pbp) of people - If they like chunky peanut butter or the smooth kind better.

Read the following passage and then answer the questions.

Let's assume that you are interested in investigating an idea that you have that the majority of students who participate in the high school weight training program are nonsmokers. You find out that there are 375 participants in the program. You end up selecting 50 of them to actually participate in your investigation.

1. State the hypothesis that you would be investigating regarding the weight-training participants.
2. How many students are in your population?
3. How many subjects did you have in the investigation?
4. State a likely conclusion.