

Science Notebook Layout **DON'T COPY UNDERLINED TEXT**

Mrs. Aguirre's Webpage: <http://www.quia.com/profiles/caguirre>

Variables

9/20/11

pg. 14: **ANALYSIS OF THE EXPERIMENT**

Name:

3a. **Variables** that affect the time between photogates:

- | | | |
|----|----|----|
| 1. | 2. | 3. |
| 4. | 5. | 6. |

Skip 1

Definition: Experimental variable: The variable that the scientist changes to see if it changes the results.

Skip 1

b. Which is the experimental variable?

Skip 1

c. All other variables should be....

How should the other variables be set at the beginning of the experiment? Why?

Underline the word "because" in your answer.

Skip 1

Conclusion: Was your hypothesis correct? Why or why not: Discuss the way variables were changed in the experiment

Steepness & Car Times

9/19/11

Name:

Problem: Do steeper ramps cause cars have shorter times?

1. a. Which tables' tracks will have the fastest car **speed**? ___

Skip 1 line

b. Which tables' tracks will have the shortest **time** ? _____

Skip 1 line

2. Hypothesis: (Underline the words: TIME STEEPER BECAUSE) One sentence.

If the ramp is steeper, the car's time will be
BECAUSE....

Skip 1

Data: Car times: **DON'T forget units for time**) _____

Angle	Times (Trial ___)		
14 highest			
11			
8			
5 lowest			

