

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

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

Variables 9/24/12 Name:
 pg. 14: **ANALYSIS OF THE EXPERIMENT**

Experimental Variable: The variable you change on purpose in an experiment.

Dependent/ Measured variable: The variable that you measure in an experiment to see the effect of your experimental variable

Controlled variables: Variables kept the same in an experiment

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

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

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.

d. Experiment Set -Up:

pg. 15: **Steepness & Car Times** 9/21/12

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

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

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

3. DATA: Car Times: _____, _____, _____, _____

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

