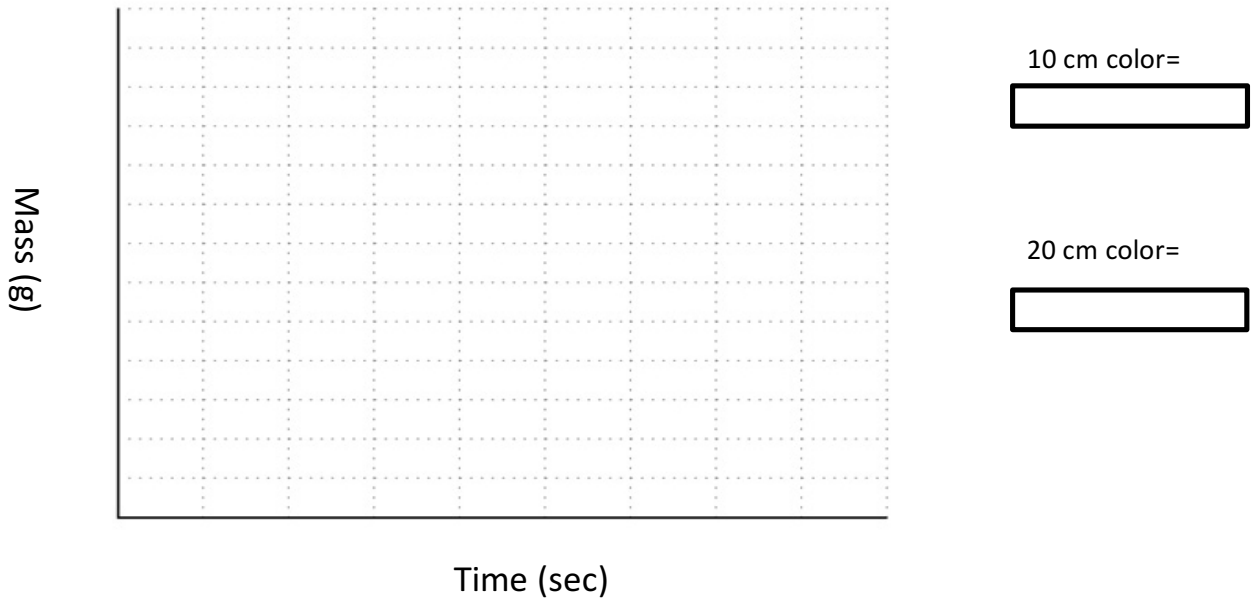


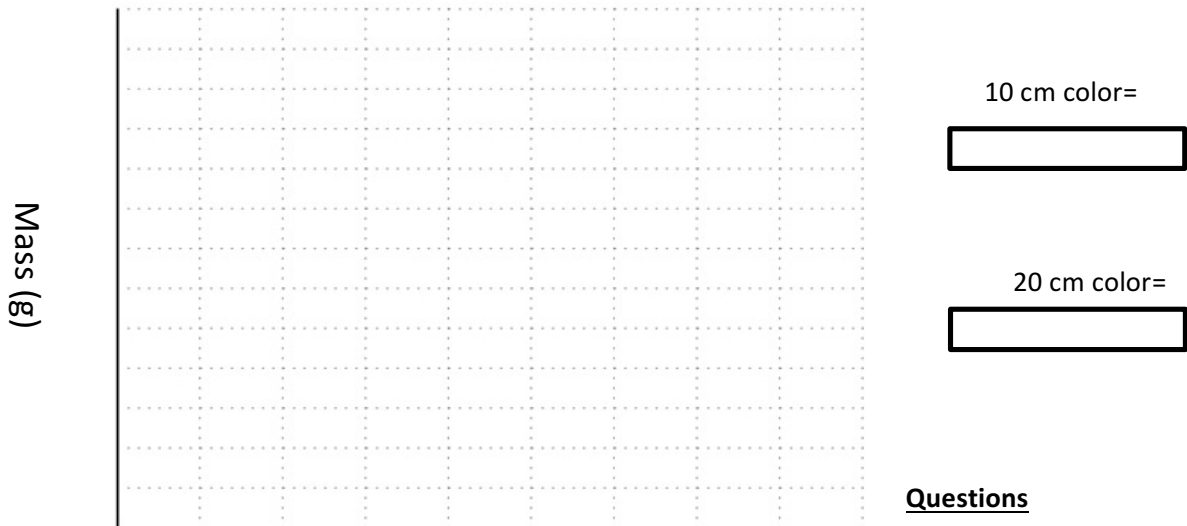


### Part 3

Use the data from the Motion and Mass Crash Lab to create a line graph of the **TIME** for each height of the ramp. You will need to use one color for the ramp at 10 cm and another color for the ramp at 20 cm.



Use the data from the Motion and Mass Crash Lab to create a line graph of the **DISTANCE** for each height of the ramp. You will need to use one color for the ramp at 10 cm and another color for the ramp at 20 cm.



### Analysis

### Questions

1. What is a controlled variable in this activity?
2. What is the independent variable in this activity?
3. What is the dependent variable in this activity?
4. What pattern did you see and the mass of the hot wheel car increased? What pattern did you see as the height of the ramp increased?