

Name: _____

Period: _____

“Force, Mass, Acceleration Lab” Scoring Sheet

+ /

Final Draft Quality (1 pt)

- ☐ Did I include a title for my lab?
- ☐ Did I complete my graphs using LoggerPro?

Part I - Tables (7 pts)

- ☐ Did I include a measurement of the car's "wing" length?
- ☐ Did I include a measurement of the distance between photogates?
- ☐ Did I include Table 1: Masses?
- ☐ Does Table 1 have appropriate formatting (title, #, units, column headings)?
- ☐ Did I include Table 2: Time Trials?
- ☐ Does Table 2 have appropriate formatting (title, #, units, column headings)?
- ☐ Did I include Table 3: Calculated Values (avg. time, total mass, initial velocity, acceleration)?
- ☐ Does Table 3 have appropriate formatting (title, #, units, column headings)?
- ☐ Have I included the equation used to find initial velocity (in variable form)?
- ☐ Have I included a sample calculation for initial velocity?
- ☐ Are my units for initial velocity correct (m/s)?
- ☐ Have I included the equation used to find acceleration (in variable form)?
- ☐ Have I included a sample calculation for acceleration?
- ☐ Are my units for acceleration correct (m/s^2)?

Part I - Graph: Mass and Acceleration (3 pts)

- ☐ Did I include an appropriate title and number?
- ☐ Are my axes labeled appropriately?
- ☐ Have I included appropriate units?
- ☐ Have I graphed my variables on the correct axis (mass on x-axis)?
- ☐ Have I included a best fit line?

Part I - Analysis (4 pts)

- ☐ Is Analysis Question #2 correct? (½ pt)
- ☐ Is Analysis Question #3 correct? (1 pt)
- ☐ Is Analysis Question #4 correct? (½ pt)
- ☐ Is Analysis Question #5 correct? (2 pt)

Analysis (2 pts)

- ☐ Is Analysis Question #2 correct? (½ pt)
- ☐ Is Analysis Question #3 correct? (1 pt)
- ☐ Is Analysis Question #4 correct? (½ pt)