

Name: _____

Number: _____

Date: ____/____/____

Unit 3: Newtonian Mechanics – Mass, Force, and Newton's Laws

LAB: Inertial Mass vs. Gravitational Mass

Objective:

- Compare the inertial and gravitational masses of one object.
 - State your hypothesis:

Background:

- How did you inform your hypothesis?

- On what principles did you base your procedure?

Equipment:

- Inertial balance with known masses
- Triple-beam balance
- Unknown mass
- Timer or video recorder

Procedure: Briefly state the steps in your procedure.

Data Tables &/or Graphs:

Conclusion:

- Was your hypothesis supported?

- Generate a possible explanation for your results. In doing so, identify any errors you may have had in your reasoning when you formed your hypothesis.