

Friction Lab (Mu Shoe Lab) due typed by Class 34. Use formal writing, NO PRONOUNS!!! Make your final data tables in your word document! Include your rough drafts!

Discuss in your lab groups:

BACKGROUND KNOWLEDGE: What affects the friction of a shoe? Brainstorm a list or mind map or diagram! Surface area, mass, materials etc...



PURPOSE AND HYPOTHESIS: Determine a problem and appropriate Hypothesis to test. You will need qualitative and quantitative data.

PROCEDURE: Create a step by step Procedure and a diagram

RESULTS: Construct a data table for both observations and quantitative data.

DONE AT HOME:

TRENDS: Describe with evidence the trends observed on the lab. Do NOT Explain why here in this section. Simply restate the trends.

CONCLUSION: Discuss the hypothesis, what affected friction and your reasoning.

Draw a free body diagram of one of your shoes in your experiment.

ERRORS: What else could be going on? Evidence could be better because of

MISCONCEPTIONS: Describe or draw and explain a common misconception that people have about friction.