Date:

Name:

## Title

A whole page for a title is unnecessary and quite wasteful of paper. Put the title of your lab experiment at the top. Include your name, your group members' names, teacher's name, course and the date.

# Purpose

Answer in a sentence or two, "what is the purpose of this experiment?"

## Question

Write down a testable question, e.g. "How does string length affect the period of a pendulum?" or "What is the acceleration due to gravity in my school?" The general format is "how does independent variable affect dependent variable?"

# Hypothesis

Use the format "If...then...because". E.g. "If the length of the string increases, then the period of the pendulum will increase because the object has to travel farther".

# **Experimental Design**

What are you going to do in the experiment? Explain briefly, in a few sentences, what is the generalized procedure. State the independent, dependent and controlled variables.

# Materials

List any and all materials you will need for the experiment (NOT the materials you needed to build your launcher). Use the proper name and include the number if you need multiples.

# Scientific Drawing

Include a one-page scientific drawing of your apparatus that includes your projectile launcher, measuring devices, etc.

# Safety

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**Yicheng Fang** 

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