

Simple Harmonic Motion Labs

Lab Questions

Pendulum

Write *two* different lab questions to investigate what affects the period of a pendulum.

Spring-Mass System

Write *two* different lab questions to investigate what affects the period of a spring-mass system.

Lab Design

Design labs that will allow you to answer the above questions. Your work must allow you to graph your results with uncertainty during the analysis portion.

Data Collection

Create data tables to organize your data. Include uncertainty.

Graphical Representation

Create graphs of your data that represent the trends in the data. Include uncertainty.

Linearization of Data

Based on the theoretical relationships, linearize the relationships that are not linear.