

Lesson 3: What Decides How Fast a Pendulum Swings?

Activity 3.2

Purpose

Conduct an experiment with your partner that changes some characteristic of a pendulum. Look for a response in the number of swings the pendulum can make in one minute. Answer the following questions as you perform your experiment.

Your Progress:

- Mastery
- Proficient
- Developing
- Beginning

Word Wall Words

Pendulum: _____

What is the independent variable for this experiment? (Circle One)

Length of the string Mass of the pendulum How far we pull it back

What is the dependent variable for this experiment?

The period of the pendulum. (How many swings occur in 1 minute)

What characteristics of the pendulum will you need to keep constant during this experiment?

Data

	Trial 1	Trial 2	Trial 3	Average

What conclusions can you draw from your experiment?
