

Name \_\_\_\_\_

Physics



## Make a 1-Second Pendulum

**Directions:** Your task is to make a 1-second pendulum using a string and a washer. The group closest to making the period of the timer 1-second wins!

### Part I Pre-lab Questions

1. What is the period of an objects motion? \_\_\_\_\_

\_\_\_\_\_

2. How will you determine if the pendulum has a 1-second period? \_\_\_\_\_

\_\_\_\_\_

### Procedure

Make a pendulum using string, a washer and a iron ring stand. Displace the pendulum no more that 15 degrees from vertical during the trials. Record your results in the table below.

Record the mass of the washer \_\_\_\_\_

**Complete the following table as you attempt to make a 1s period pendulum**

Length of String (cm)	Period (time to complete 1 cycle)

Which length of string produced the pendulum with a 1 second period? \_\_\_\_\_

