

Period of a Pendulum

$$T = 2\pi \sqrt{\frac{L}{g}}$$

Rearranging

$$g = \frac{4\pi^2 L}{T^2}$$

Heavy Bob

- _____ Length of String
- _____ Period of 10 revolutions
- _____ Period of 1 revolution

Light Bob

- _____ Length of String
- _____ Period of 10 revolutions
- _____ Period of 1 revolution

Does the mass of the bob have any impact on period?

Purpose: to determine the value of g using a simple pendulum.

