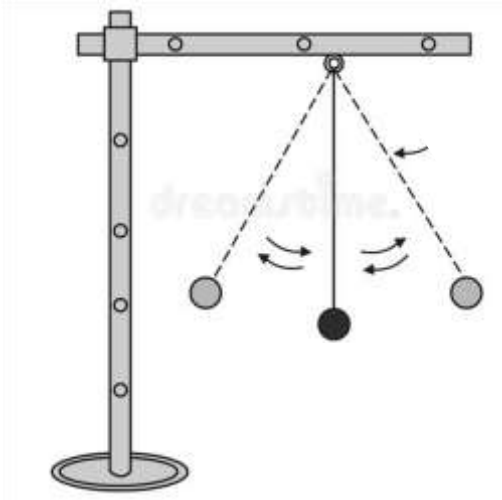


Lab Demonstration:

Using a string, a rock, a meter stick, and a wristwatch to determine the acceleration of Earth's gravity

**Pendulum Formula:**

$$g = l(2\pi f)^2$$

Where:

g = acceleration of gravity (m/sec²)

f = frequency (cycles/sec or Hertz / Hz)

l = length of pendulum (meters)