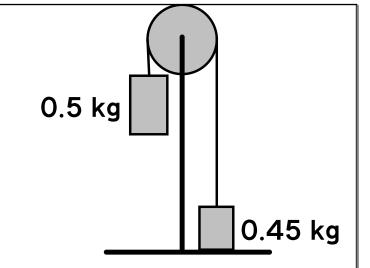
Atwood's Pulley Lab Cycle 7

## **Materials:**

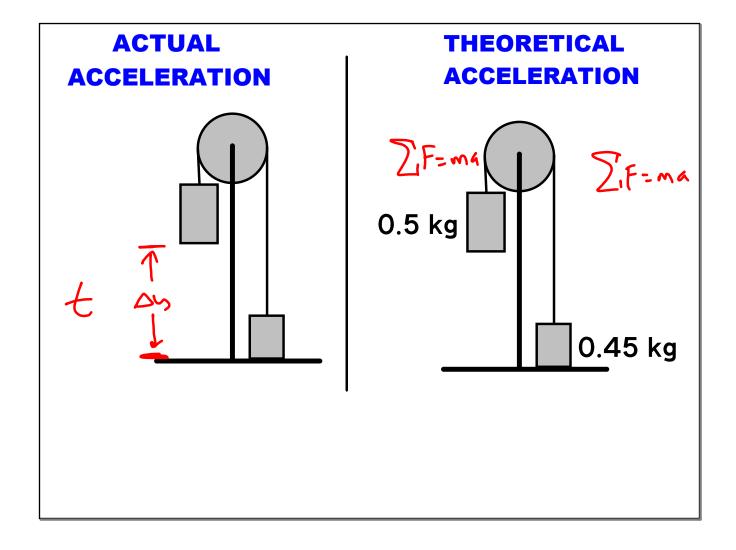
- string
- Atwood's Pulley
- 0.5 kg mass
- 0.45 kg mass
- timer
- meterstick



## **Purpose:**

To compare the actual acceleration of the system (calculated from distance and time information), to the theoretical acceleration (calculated from force and mass information).

Atwood's Pulley Lab Cycle 7



**Atwood's Pulley Lab** 

## In your analysis, be sure to include:

- actual calculation with equation of kinematics
- theoretical calculation with FBDs and

## In your conclusion, be sure to include:

- statement that addresses the purpose.
- estimates of length and time error.
- explanation of why actual accel comes out less than theoretical.

