# Lab Quiz: Acceleration Motion

1. The Conclusion of a scientific experiment is to answer the question (or questions) about a topic or concept posed in that experiment. What is the question (or questions) that you are trying to answer with this experiment?

* How does the position, velocity, and acceleration of a glider change with time as it moves up and down an inclined plane?
* What type of motion (uniform velocity or uniform acceleration) does the glider exhibit in different regions of its motion?
* What is the mean (average) acceleration of the glider in each region of its motion?

1. What kind of motion does the glider moving along the frictionless inclined track experience under ideal conditions?

uniformly accelerated motion

1. The time dependence of the displacement of the glider in this experiment depends on...

the amplitude, frequency, and phase of the simple harmonic motion.

1. Which of the following determines the acceleration of the glider moving along a frictionless inclined track?