

Energy design lab

Determine KE, PE and ME at the initial height and at the bottom of the pendulum, and verify the law of conservation of energy. You need to include a graph of KE, PE, and ME over horizontal displacement.

Materials: a pendulum, Photogate, LabQuest, stand, meter sticks, Tracker

Grading: test grade. The lab rubric will be used to evaluate the lab report. The result must be as accurate as possible. The size of experimental error will be considered in the evaluation. The size of error of less than 10% is acceptable.

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