

## Inclined Plane and Potential and Kinetic Energy Lab

You are being assigned another lab!! I know how much you love doing them--but for this one you are to work in groups of 2 or 3--up to you. And you will hand in one lab report for the group.

### Question / Purpose

To determine if the relation between the height at which an object is released on an incline plane and the horizontal displacement of the object during its travel in air is linear or not.

To explain the results obtained using principles of Physics.

### Materials

- Ruler/meter stick
- Incline plane
- Large marble
- Sheets of plain paper
- Carbon paper
- Tape

You probably do not have carbon paper which dates back almost to the dinosaurs--ask your parental units--but if you do, congratulations as this will make your life a whole lot easier.

If not, you will need to find something instead which would show you where the marble has landed??

Ideas??

Your group will hand in 1 copy of the lab--full typed/keyboard report.

### Title

### Purpose

**Hypothesis -- If ..... Then ..... Because .... (scientific explanation)**

### Materials and Method

**Observations--data table data table data table--did I say data table?**

**Analysis -- calculations and graphs**

**Conclusion -- Answer the purpose in this case.**

Start figuring out your groups and a procedure for what you are going to do to answer the question.