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Mechanics Lab

* Hand in notebook at end of class. I grade it and bring it back.
* Hand in prelab assignments at beginning of class.
* Grading: 80% Notebooks, 20% Prelabs. Prelabs graded on 4 point scale. Notebook graded on 7 point scale. Approximate notebook grade guide:

7	ON FIRE!!	98
6	Cooking with Gas.	93
5	Electric Eel	86
4	Electric Stove	81
3	ZZzzzz..	76
2	Uh oh.	71
0	on fire	π

Physics Experiment Writeup

• For each experiment:

(1) Intro
   (i) Purpose and key equations.
   (ii) Diagram.
   (iii) Derive and explain predicted result.

(2) Results
   (i) Tables and graphs as assigned.
   (ii) Experimental Details.
   (iii) Analysis.

• For lab as a whole:

(3) Discussion Questions
   Look for discussion questions on the board.

• *Experimental Details*: What was measured directly? What was measured indirectly, and how was it calculated?

• *Analysis*: This part requires thought. Use the experimental data, predictions, and key equations to make meaningful comments about your results.

• Tips for analysis: Compare using percentages. Know approximate percent uncertainties in predicted and measured values. Identify how (if) result validates the theory. Know if something systematically went wrong. Identify the primary cause of inaccuracy or uncertainty.

• Leave space at the beginning for notes, calculations, etc. Keep the good part neat. Do not show all calculations (just formulas).

• The longest english word with no repeating letters is *uncopyrightable*.