

GRAPHING

YOUR

DATA

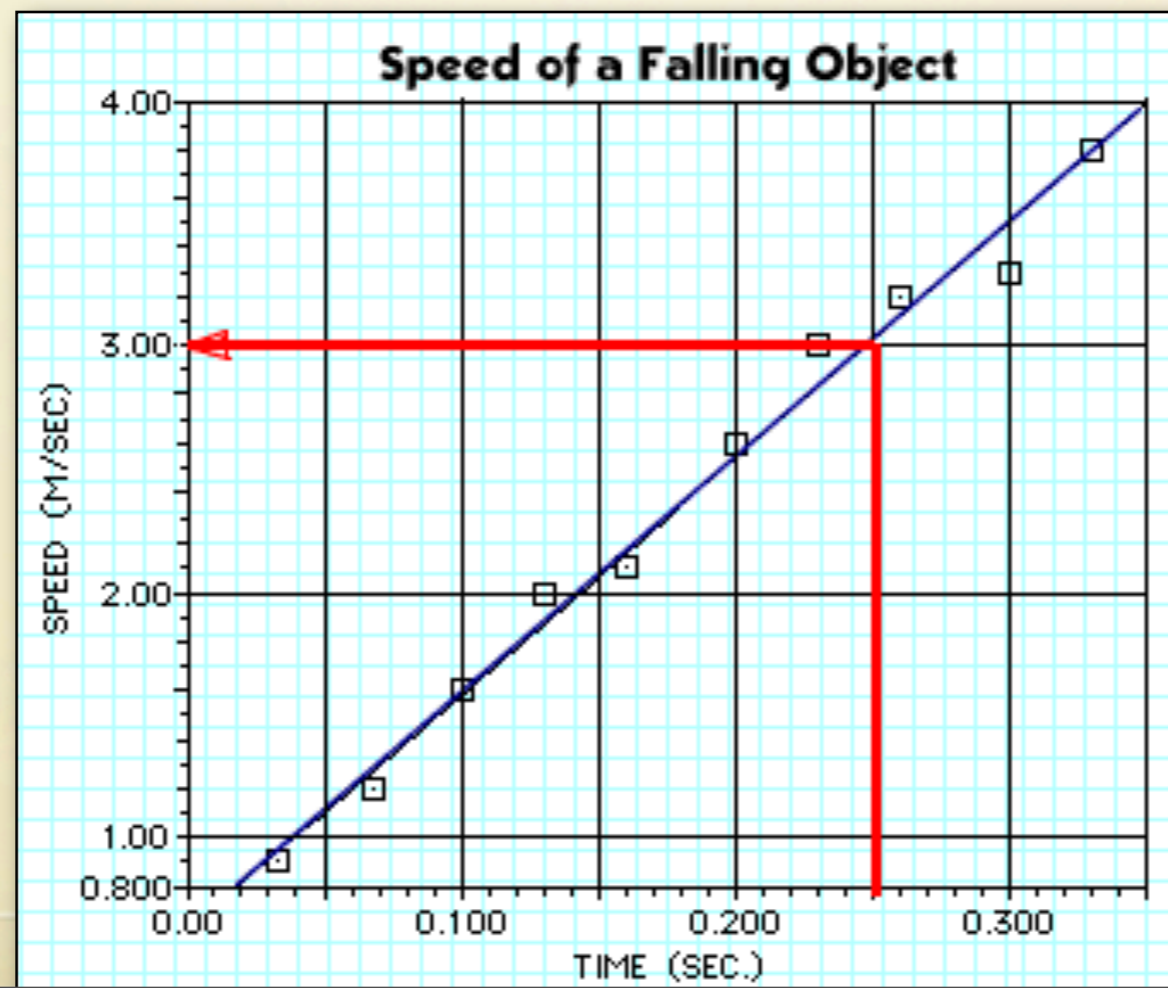
GRAPHING YOUR DATA

- On one sheet of graph paper, graph your data for the exothermic experimental group.
- On another sheet of graph paper, graph your data for the endothermic experimental group.
- A minimum of $2/3$ of your paper for your graphs.
- Do not graph either of the control groups.
- Be sure to:
 - a) use a good scale
 - b) label each axis with name and unit
 - c) plot and circle your points
 - d) draw a linear best fit curve

INTERPOLATING & EXTRAPOLATING

- Using your graphs, extrapolate or interpolate to answer questions 2, 3, 4 and 7, 8 & 9.
- Draw lines on your graph to show how you arrived at the answers to these questions. No lines = no credit.

Example:



LAB REPORT

- Do not do a full lab write-up. Your lab will consist of:
 - 1) Your xeroxed lab with your data tables.
 - 2) Your two graphs. Graphs can be done in pencil.
 - 3) Your lab answers done in ink or typed.
- The lab due date - see teacher.
- Resources can be found in your packet on Graphing Scientific Data and on NetTutor.
- A rubric for this lab can be found on today's date on the calendar.

GRAPHING SCIENTIFIC DATA LAB RUBRIC = 42 POINTS

- Data Tables = 4 tables @ 1.5 each = 6 pts.
- Graphs = 2 graphs @ 5 pts. each = 10 pts
Axes incorrect -2, labels, units, title? -1
Data points not circled, best fit linear curve? -1
-2 smaller than 20 spaces/axis, 1 per page -2
- Questions:
#1 = 1 pt. #2 = 3 pts. #3 = 3 pts. #4 = 2 pts.
#5 = 1 pt. #6 = 2 pts. #7 = 2 pts. #8 = 2 pts.
#9 = 2 pts #10 = 1 pt. #11 = 2 pts.
#12 = 2 pts. #13 = 3 pts.
- Others: Answers in pencil or messy -10pts
Stamps missing: Lab stamp -10, Clean-up -4