Title
- ☐ IV
- ☐ DV

Problem & Variables
- ☐ State problem
- ☐ How will you test it
- ☐ IV
- ☐ DV
- ☐ Units of measure
- ☐ Hypothesis (if/then)
- ☐ Reason for Hypothesis

Procedure
- ☐ Will this "answer the question"?
- ☐ Is it controlled (fair)?
- ☐ Can someone repeat exactly what you did?

Data tables
- ☐ Title
- ☐ Units
- ☐ All important #'s (what did you measure?)

Graphs
- ☐ Did you use the correct type of graph?
- ☐ Title
- ☐ Axis labeled with units
- ☐ Shows important info – averages!!!

Conclusions
- ☐ Restate the problem
- ☐ Answer the question & relate to hypothesis
- ☐ Support w/ data (show the #'s)

Reflection
- ☐ Accuracy
- ☐ Precision
- ☐ How can you improve lab?
- ☐ How does this lab relate to what we are studying?
- ☐ What did this lab lead you to conclude?

	3	2	1	0
Problem	Problem clearly stated. Clear statement of IV and DV. (Especially if you make it clear what the measurements actually represent in the real world)	Problem adequately stated. Adequate statement of IV and DV.	Problem poorly stated. Poor identification of IV and DV	No problem statement, or is clearly incorrect. Same case for IV and DV.
Experimental Design (procedure and controls)	Matches problem statement. Controlled. Clear directions/instructions.	Generally matches problem statement, attempts at control. Instructions/procedure needs minor adjustments needs clarifying / incomplete.	Matches problem statement to *some* extent. Little attempt at control. Procedure	No match to problem statement. No controls. Not replicable.
Data Presentation (results, graphs/charts)	Well organized and appropriate presentation of data	Organized presentation of data. Minor errors and/or omissions.	Poorly organized. Major omissions or errors.	Data poorly organized or missing.
Conclusions	Conclusions are related to problem statement and supported by data. Includes clear discussion of validity of data (error analysis)	Conclusions are generally related to problem statement and supported by data There is a limited discussion of the validity of the data (error analysis).	Conclusions are somewhat related to problem statement and the data are only supported to a limited extent. Little discussion of validity of data (error analysis)	Conclusions have no relation to data and problem statement. No discussion of validity of data (no error analysis)

A+	12 points 100	B+	9 points 87	C+	6 points 77	D+	3 points 67
A	11 points 95	B	8 points 85	C	5 points 75	D	2 points 65
A-	10 points 92	B-	7 points 82	C-	4 points 72	D-	1 point 62