Lab Format Checklist (V2.20bg)

A. General

1.	Your own work	_____
2.	Complete	_____
3.	Clear and appropriate "Purpose"	_____
4.	Flows	_____
5.	Did not require help on or after due date	_____
6.	Good grammar	_____
7.	Correct spelling	_____
8.	Complete sentences where required	_____
9.	Legible	_____
10.	Professionally presented	_____
11.	Properly identified (eg. name, partner)	_____
12.	On time	_____
13.	Checklist included	_____
14.	Template included	_____

B. Data (For data not in Tables)

1.	Your own data	_____
2.	Values recorded with uncertainties	_____
3.	Sufficient data	_____
4.	Reasonable values	_____
5.	Reasonable uncertainties	_____
6.	Correct number of significant figures	_____
7.	Units recorded	_____

C. Data in Tables

1.	Neat	_____
2.	Column headings informative	_____
3.	Units given	_____
4.	Uncertainties given	_____
5.	Label	_____
6.	Number given (eg. "Table #2")	_____

D. Least Squares Fits

1.	Points used for fit clearly identified	_____
2.	Results given meaningful names	_____
3.	Correct units for slope and intercept	_____
4.	Correct indication of "large" or "small" scatter	_____

E. Graphs

1.	Title meaningful	_____
2.	Correct graph type and orientation	_____
3.	Plotting data in table	_____
4.	Axis labels meaningful	_____
5.	Correct axis units	_____
6.	Points not connected	_____
7.	Error bars in both dimensions or note if too small	_____
8.	Error bars correct size	_____
9.	Line of best fit shown without markers	_____
10.	Number given (eg. "Graph #3)	_____

F. Calculations and Results

1.	Any required derivations done correctly	_____
2.	Analysis explained where needed	_____
3.	Correct formulas used	_____
4.	Sample calculations shown where needed	_____
5.	All required values calculated	_____
6.	Uncertainties included	_____
7.	Units included	_____
8.	Correct number of significant figures	_____
9.	Appropriate use of standard form	_____
10.	Theoretical or reasonable value	_____
11.	Agreement of experiment with theory	_____
12.	Questions reasonably answered	_____

G. *Error Discussion*

1.	*Sources listed are significant*	_____
2.	*Sources are prioritized*	_____
3.	*Correct explanations of consequences of systematic errors*	_____
4.	*Evidence: ie test where possible or bound where can't test*	_____
5.	*Reasonable suggestions for improvement*	_____

H. *Conclusions*

1.	*Relate to purpose*	_____
2.	*Major results stated*	_____
3.	*Comparisons made where appropriate*	_____
4.	*Agreement noted when found*	_____
5.	*Percent difference calculated only when quantities don't agree*	_____

I. References

1.	Source(s) of constants listed	_____

J. Methods

1.	All steps clearly described	_____
2.	Paragraph format	_____
3.	Past tense	_____

K. *Introduction*

1.	*Rationale for research given*	_____
2.	*Historical/experimental context given*	_____
3.	*Good references*	_____