Report Recommendations for FTIR Structure Determination

Introduction:

Statem	ent of the problem and goals
	Determine the functional group class and structure of an unknown
	liquid by FTIR
Genera	l approach to the problem
	Students should give a <u>very</u> brief statement of their approach to solving the above stated problem. This should NOT be an experimental section but should be more of a general approach to the problem.
Form	Is this an introduction? These are discretionary stylistic points.

Conclusion:

Conclusion	
	This is much like a concluding paragraph on an essay and is a
	summary statement related to the purpose of the lab.
Form	
	Is this written like conclusion section?

Discussion:

Discussion
The discussion section states the major conclusions drawn from the
results in light of how these results compare to or contrast with
previous findings by other scientists. The discussion section is where
the burden of proof falls on the researcher. Every article makes certain
claims of results found. Here is where you must show that you were
correct in making you conclusions and that your results mean what you
say they mean.
Some things that should be included:
How was IR used to determine functional group
What logic is used to determine remaining structure
Limitations of method
Form
Is this written like a discussion section?

Experimental:

Logical description of the procedure as ACTUALLY followed

Form

Is this written like an experimental section?

Calculations:

Sample calculations
Just a description of how the structure was determined. This may show up
elsewhere.

Data/Results:

Data Spectra Spectral assignment to get functional group The spectrum or reference to the spectrum used for comparison