

	Point Value	Points Received and comments
Overall Formatting Typed, Double spaced, has all parts as described in "Laboratory Report Format" Handout, spelling, grammar, professionalism	4	
Title Page Title page, course #, names of all group members, date lab performed, all as a separate title page	2	
Introduction What is this lab looking for? What are we trying to prove? Why? About a paragraph in length.	4	
Theory First law of thermodynamics Open vs closed systems Equations labeled and referenced (could also be in analysis)	4	
Measurement Methods Equipment used, experimental setup and procedure, different stages of experiment explained	4	
Analysis Analysis of your data and graphs. Referencing of equations, graphs, or figures	3	
Results Graph 1: P vs T for closed system tests Graph 2: Q _{out} for all tests Graphs should follow all guidelines in boiler lab procedure, including axis labels, proper axis locations, data markers, and usage of other groups' data Calculations of Q _{out} and <Q _{out} > for the closed system tests Calculations of Q _{out} and <Q _{out} > for open system tests (which also requires calculation of Q _{in})	28 Each graph: 8 Each calculation: 3	
Error, Error Discussion, Sources of Error Standard deviation calculations for all appropriate data Some discussion of feasible sources of error (could overlap with discussion)f	4	
Discussion What did you learn? Did the lab follow the states purpose? Explain differences between theory and experiment (could overlap with error discussion)	4	
Conclusion Questions Answer and address all aspects of all questions	40 Each question: 8	
References There should be references for the steam table line values enthalpy of steam, and internal energy of fluid water	3	