Suggested Lab Report Grading Rubric: 25 possible points.

Points	Introduction	Experimental Design	Results	Conclusion/Discussion	Grammar and Spelling
5	Well researched, excellent comprehension of material, hypothesis clearly stated	Students relate design to specific question. Protocols outlined clearly. Students show understanding of experimental concepts like standardization, replication, etc.	Students have labeled, legible graph of correct data with figure caption that explains graph and data.	Students demonstrate comprehension by linking results back to original hypothesis (i.e. Original hypothesis was supported or not). Students discuss natural selection implications of osmotic balance using their results.	<3 errors
4	Decent background, moderate understanding, hypothesis clearly stated	Students detail experimental design but do not link to hypotheses. Protocols outlined. Some understanding of experimental concepts.	Neat and clean graph with correct data. Graph has figure captions but no axis labels.	Students link results to hypothesis but do not clearly state whether they hypothesis was supported. Some discussion of implications towards natural selection.	<6 errors
3	Some background, little understanding, hypothesis mentioned	Students poorly communicate experimental design, protocols barely mentioned, little understanding of experimental concepts.	Graph does not have proper data or mixed up axes. Graph is missing labels or figure caption as well.	Students do not link results to hypothesis, merely restate methods and results. Little or no discussion of broader concepts.	<9 errors
2	Little background information, little comprehension of the topic, no hypothesis	Experimental design is protocols only with no indication that students understand reasoning behind the design or its relationship to hypothesis.	Graph is incorrect data, lacks axis labels, figure captions, etc.	Students repeat previous sections with zero discussion of implications or relationships.	<12 errors
1	No background research, very little comprehension, no mention of hypotheses	Experimental design is a picture or diagram with little or no text explaining protocols. Hypothesis not mentioned.	Graph is illegible or absent.	Students demonstrate little understanding, do not link the sections together, do not make any broader inferences on work.	>13 errors