

Biology 1441 Grading Rubric for Lab Report #2

Possible # of points	Section	Checklist
1	Title	Thorough and descriptive?
6	Introduction	<ul style="list-style-type: none"> • Describe enzymes? • Describe amylase? • Describe enzyme function as it relates to temperature or pH? • Introduce these concepts and how they relate to the experiment? • Propose a reasonable hypothesis for the experiment based on your knowledge of amylase? • Have you properly cited your secondary source(s)?
4	Methods	<ul style="list-style-type: none"> • Written in past tense? • Don't list materials! • Don't include results or discussion! • Thoroughly describe how to conduct both experiments including but not limited to: <ul style="list-style-type: none"> • Solutions types? • Amounts of solutions? • Concentrations of solutions? • Temps/pHs? • Equipment used? • Time durations? • Programs to graph/analyze results? • Detailed description of what was performed?
5	Results	
(2 pts)	Written portion	<ul style="list-style-type: none"> • Does what was written part agree with the figure(s)? • Are the figure(s) and table(s) referenced properly? • Is it detailed? • Does it make sense? • Does the written portion of the results precede the figures and tables as is typical? • Don't include discussion or methods!
(3 pts)	Figures/tables	<ul style="list-style-type: none"> • Are the figures and tables labeled correctly with captions? (Figures below, tables above) • Are figures plotted correctly so that they utilize all of the graphing space? • Are legends clear if needed? • Does the figure match the actual results? • Axis scale and labeling correct? • Overall appearance?

7	Discussion	<ul style="list-style-type: none"> • Discuss any trends you observed? • Discuss why the results are important? • Discuss any observed errors you may have encountered? • Discuss how the results compare with other research being done? • Discuss how your results are/aren't explained by the general concepts mentioned during the introduction? • Discuss if the hypotheses were correct and why? • Properly cite your primary source(s)
2	Literature Cited	<ul style="list-style-type: none"> • Do you have at least 2 sources? • 1 primary? • 1 secondary? • Are they in alphabetical order? • Are they in the proper format? • Hanging indent? • Did you remember to cite all listed sources and list all cited sources? • Did you attach a copy of the primary article's first page?
TOTAL=	25 points	
	General rules	<ul style="list-style-type: none"> • Typed? • Grammar? • Spelling errors? • Computer generated graphics?