

TxCETP Course Component: Alien Enzyme Function

This material is based on work supported by the National Science Foundation under Grant No. DUE 9987332.

V. Grading Rubric

Name(s); Section #; Score _____

POINT VALUE	0	.25	.5	.75	1
Introduction					
Planning Form is complete.					
Graphical representation is present.					
Planning Form is logical					
1 Statements of question(s) under investigation is/are clear, and correct.					
2 Hypotheses are clear and causal.					
3 Provides logical argument for why question and hypothesis(es) are being investigated.					
Methods					
4 Experimental design is described completely and clearly.					
5 Steps/procedures are justified.					
6 Experimental and control variables and assumptions are correctly chosen and justified.					
7 Methods provide for appropriate test of selected hypothesis.					
Results					
8 Data are presented without causal interpretation or implications.					
9 Data are summarized and displayed appropriately in graphs or tables.					
10 Trends in data are made clear in text without repeating the information in tables or graphs.					
11 Figures and tables are properly numbered, captioned, and are referred to in the text.					
12 Figures and tables can be properly interpreted without reference to the text.					
Discussion					
13 Questions and hypotheses stated in introduction are addressed.					
14 Conclusions are supported by the data.					
15 Alternative explanations are discussed.					
16 Speculations are clearly stated as such and logically derived from data.					

TxCETP Course Component: Alien Enzyme Function

This material is based on work supported by the National Science Foundation under Grant No. DUE 9987332.

POINT VALUE	0	.25	.5	.75	1
17 Additional hypotheses are generated.					
18 Unexpected results are interpreted without unnecessary reference to experimenter error.					
19 Appropriate comparisons to textbook(s) are made and properly cited.					
20 Interpretations and information presented are correct given sources available to student.					
General					
21 Writing is clear and free of grammar, spelling, and punctuation errors.					
22 Presentation (optional) is concise and informative.					
Extra Credit (+1 point each)					
1 Data are analyzed statistically. (x3)					
2 Appropriate comparisons to literature are made and properly cited.					
3 Methods are illustrated by images or graphics.					
4 Additional experiments are designed.					
5 Additional experiments are completed.					
Subtotal:					
TOTAL:					

Adapted from & used by permission from: Russell, C.P. & French, D.P. (2001). Biological Investigations: A Laboratory Resource Guide. Harcourt College Publishers