



Team Name: \_\_\_\_\_

eCYBERMISSION Grading Rubric – Experimental Design (Scientific Inquiry)

Criteria	Point Scale	Comments	Score
<p>Develops a logical hypothesis based on an analysis of all research</p>	<p><i>0 Points: Does not provide a hypothesis</i></p> <p><i>5 Points: An independent variable is stated</i></p> <p><i>10 Points: An independent and dependent variable are stated</i></p> <p><i>15 Points: The independent and dependent variables are stated and related</i></p> <p><i>20 Points: Both variables are stated and related and evidence of research is present</i></p> <p><i>25 Points: Both variables are stated and related, research is evident, and hypothesis is written in a proper format</i></p> <p><i>30 Points: Both variables are stated and related, research is evident, hypothesis is properly formatted, and is able to be tested</i></p>		
<p>Correctly identifies the independent and dependent variables</p>	<p><i>0 Points: Does not correctly identify either variable</i></p> <p><i>10 Points: Correctly identifies either the independent or dependent variable, but not both.</i></p> <p><i>25 Points: Both variables are correctly identified</i></p>		
<p>Correctly identifies the constants</p>	<p><i>0 Points: Does not identify any constants</i></p> <p><i>5 Points: Identifies only incorrect constants</i></p> <p><i>10 Points: Identifies some correct and some incorrect constants</i></p> <p><i>13 Points: Identifies correct constants but leaves some out</i></p> <p><i>15 Points: Appears to correctly identify all constants</i></p>		



Indicates whether a control group is necessary and correctly identifies any required controls	<p><i>5 Points: Incorrectly indicates whether a control group is necessary or not</i></p> <p><i>10 Points: Correctly indicates whether a control group is necessary or not, but does not correct identify the control OR does not correctly explain why one is not required.</i></p> <p><i>15 Points: Correctly indicates whether a control group is necessary or not AND correctly identifies the control group OR correctly explains why one is not required.</i></p>		
Total	Max Points = 85		