

Name:	Name:
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Self Contained Ecosystem Lab Write Up-Rubric

Title Page		
Title Page-Title (0=Not present, 1=Present, 2=describes main points)		/2
Title Page-Names of Students (0=Not present, 1=all students are listed, 2= all students are listed in alphabetical order by last name)		/2
Title Page-Instructors Name (0=Not present, 1=Present)		/1
Title Page-Lab Date (0=Not present or <3 dates, 1=All 3 dates are present)		/1
Total Points		/6
Abstract		
Abstract (0=Not present, 1=Exists, 2=Justification & examples)		/2
Purpose (0=Not present, 1=Present, 2=No connections to "Real-Life", 3=Demonstrates higher level of thinking)		/3
Key Results (0=Not present, 1=Present, 2=Demonstrates higher level of thinking)		/2
Most significant point of discussion (0=Not present, 1=Present, 2=Demonstrates higher level of thinking)		/2
Major Conclusion (0=Not present, 1=Present, 2= General, 3=Demonstrates higher level of thinking)		/3
Word Count (0=Not present, 1= <100 words or >250, 2=100-149 words or 200-250 words, 3=150-200)		/3
Total Points		/15
Introduction		
Overall (0=Not present, 1=Exists, 2=1-2 Complete Paragraphs)		/2
<i>Why was this study performed?</i> (0=Not present, 1=Present, 2=Demonstrates higher level of thinking)		/2
<i>What knowledge already exists about this subject?</i> (0=Not present, 1=Present, 2=Higher level of thinking)		/2
<i>What is the specific purpose of the study?</i> (0=Not present, 1=Present, 2= Higher level of thinking)		/2
Total Points		/8
Materials		
Overall (0=Not present, 1=In bullets, 2=Organized)		/2
Materials Listed (0=None, 1=1-10 present, 2=11-20 present, 3=>20 present)		/3
Total Points		/5
Procedures		
Overall (0=Not present, 1=Step 1...Step 2...., 2=Organized)		/2
Steps Listed (0=None, 1=1-10 present, 2=11-20 present, 3=>20 present)		/3
Total Points		/5
Citation		
Citation In-Text (0=Not present, 1=present, 2=citations in works cited)		/2
Work Cited (1=1-2 references correctly, 2=-2 references correctly)		/2
Total Points		/4
Claim		
Claim (0=Not present, 1=Exists, 2= higher level of thinking)		/2
Claim Information (0=Not present, 1=Answers 1 "Big Idea", 2= Answers 2 "Big Idea")		/2
Total Points		/4

Data		
Overall (0=Not present, 1=Step 1...Step 2...., 2=Organized)		/2
CO ₂ Graph (0=No graph, 1= <8 points, 2=>8 points, 3=All points & organized)		/3
CO ₂ Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
O ₂ Graph (0=No graph, 1= <8 points, 2=>8 points, 3=All points & organized)		/3
O ₂ Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
pH Level Graph (0=No graph, 1= <8 points, 2=>8 points, 3=All points & organized)		/3
pH Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Temperature of Environment Graph (1= <8 points, 2=>8 points, 3=All points & organized)		/3
Temperature of Environment Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Temperature of Soil Graph (1= <8 points, 2=>8 points, 3=All points & organized)		/3
Temperature of Soil Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Temperature of Water Graph (1= <8 points, 2=>8 points, 3=All points & organized)		/3
Temperature of Water Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Ammonia Levels Graph ((1= <8 points, 2=>8 points, 3=All points & organized)		/3
Ammonia Graph Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Nitrates Level Graph (1= <8 points, 2=>8 points, 3=All points & organized)		/3
Nitrates Reflection (1= 1-2 sent, 2=>3 sent, 3=>3 Sent. & Higher Level)		/3
Pictures of System (1= 1 picture, 2=2 picture, 3=3 pictures)		/3
Picture Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Drawings of Soil Samples (1= 1 Drawings, 2=2 Drawings, 3=3 Drawings)		/3
Drawings of Soil Samples Reflection (1=1-2 reflections under pic, 2= 3 reflection 3=Higher Level)		/3
Drawings of Water Samples (1= 1 Drawings, 2=2 Drawings, 3=3 Drawings)		/3
Drawings of Water Samples Reflection (1=1-2 reflections under draw, 2a= 3 reflection 3=Higher Level)		/3
Total Points		/68
Evidence		
Evidence (0=Not present, 1=Exists, 2= higher level of thinking)		/2
Claim Information (0=Not present, 1=Sentence form, 2=Has no reasons or examples)		/2
Data as Evidence (0=Not present, 1=<2 pieces of evidence, 2=>3 pieces of evidence)		/2
Total Points		/6
Reasoning		
Reasoning: Evidence 1 (1=Exists, 2=Inc Examples, 3=Inc justification & examples)		/3
Reasoning: Evidence 2 (1=Exists, 2=Inc Examples, 3=Inc justification & examples)		/3
Reasoning: Evidence 3 (1=Exists, 2=Inc Examples, 3=Inc justification & examples)		/3
Conclusion (1=Exists, 2=Sums up CER, 3= Makes "Real World" connections)		/3
Total Points		/4
Total points from Rubric		/125
Total score /5		/25