

Lab: Oxygen in the Atmosphere Rubric

	High Grades (88-100% of maximum points) High scoring students will do the following:	Middle Grades (76-87% of maximum points) Middle scoring students will do the following:	Low Grades (64-75% of maximum points) Low scoring students will do the following:	Unacceptable (0-63% of maximum points)
Did the results of the experiment support the hypothesis? 8 pts. max	Student accurately and in detail explains how the results of the experiment support the hypothesis.	Student accurately explains how the results of the experiment support the hypothesis. Some details may be missing.	Student may or may not accurately explain how the results of the experiment support the hypothesis. Details may or may not be missing.	Student inaccurately and without detail explains how the results of the experiment support the hypothesis.
Score:				
Comments:				
Explain the sources of error and how the experiment can be improved. 8 pts. max	Student accurately and in detail explains sources of error and how the experiment can be improved.	Student accurately explains sources of error and how the experiment can be improved. Some details may be missing.	Student may or may not accurately explain sources of error and how the experiment can be improved. Details may or may not be missing.	Student inaccurately and without detail explains sources of error and how the experiment can be improved.
Score:				
Comments:				
Observations: What happens in each test tube after three days? 8 pts. Max	Student accurately and in detail explains observations about each test tube after three days.	Student accurately explains observations about each test tube after three days. Some details may be missing.	Student may or may not accurately explain observations about each test tube after three days. Details may or may not be missing.	Student inaccurately and without detail explains observations about each test tube after three days.
Score:				
Comments:				
What is necessary for rust to occur? 8 pts. Max	Student accurately and in detail explains what is necessary for rust to occur.	Student accurately explains what is necessary for rust to occur. Some details may be missing.	Student may or may not accurately explain what is necessary for rust to occur. Details may or may not be missing.	Student inaccurately and without detail explains what is necessary for rust to occur.
Score:				
Comments:				
How does the activity	Student accurately and in	Student accurately explains how	Student may or may not	Student inaccurately and

	High Grades (88-100% of maximum points) High scoring students will do the following:	Middle Grades (76-87% of maximum points) Middle scoring students will do the following:	Low Grades (64-75% of maximum points) Low scoring students will do the following:	Unacceptable (0-63% of maximum points)
demonstrate the fate of oxygen in Earth's early atmosphere? 8 pts. Max	detail explains how the activity demonstrates oxygen's fate in Earth's early atmosphere.	the activity demonstrates oxygen's fate in Earth's early atmosphere. Some details may be missing.	accurately explain how the activity demonstrates oxygen's fate in Earth's early atmosphere. Details may or may not be missing.	without detail explains how the activity demonstrates oxygen's fate in Earth's early atmosphere.
Score:				
Comments:				
Address remaining parts of the RERUN process. 8 pts. Max	Student accurately and in detail addresses the remaining parts of the RERUN process.	Student accurately addresses the remaining parts of the RERUN process. Some details may be missing.	Student may or may not accurately address the remaining parts of the RERUN process. Details may or may not be missing.	Student inaccurately and without detail addresses the remaining parts of the RERUN process.
Score:				
Comments:				
Writing 2 pts. Max	Writing is clear, focused, and organized with no errors in spelling, grammar or punctuation.	Writing is clear, focused, and organized with few errors in spelling, grammar or punctuation.	Writing may or may not be clear, focused, and organized and may or may not have errors in spelling, grammar or punctuation.	Writing is not clear, focused, or organized and includes errors in spelling, grammar or punctuation.
Score:				
Comments:				

Total Score:

Student Name: