

Student Friendly Rubrics for Science
High School Gateway Assessment

Domain 1: Development of Scientific Processes: How well you demonstrated an understanding of all parts of the assigned task.	
5	<ul style="list-style-type: none"> • You fully developed all parts of the assigned task with specific details. • You stated and fully explained scientific causes and effects. • Your reasoning was explained in all parts of the response. • All of your ideas were focused on the assigned task.
4	<ul style="list-style-type: none"> • You developed all parts of the assigned task with specific details; one part may not been as fully developed as the others. • You stated and explained scientific causes and effects. • Your reasoning was explained in most parts of the response. • Most of your ideas were focused on the assigned task.
3	<ul style="list-style-type: none"> • You developed most parts of the assigned task with some details. • You stated and explained scientific causes and effects in some parts of the response. • Your reasoning was explained in some parts of the response. • Most of your ideas were focused on the assigned task.
2	<ul style="list-style-type: none"> • You developed some part of the assigned task with some details. • You provided only limited or overly general explanations of scientific causes and effects. • Your reasoning was vague and sometimes incorrect. • Some of your ideas were focused on the assigned task.
1	<ul style="list-style-type: none"> • Your attempts to address the assigned task were unclear or incorrect. • You did not correctly state or explain scientific causes and effects. • Your reasoning was incorrect or unclear. • Your ideas were unclear, irrelevant, or incorrect. • You did not write enough to demonstrate an understanding of the assigned task.

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Domain 2: Expression of Scientific Knowledge: How much relevant, correct prior knowledge and scientific vocabulary you included in your paper.	
5	<ul style="list-style-type: none"> • Your paper contained extensive correct scientific information beyond what is in the documents. • You used extensive scientific vocabulary throughout your paper. • You effectively used the provided documents.
4	<ul style="list-style-type: none"> • Your paper contained relevant and correct scientific information beyond what is in the documents. • You consistently used relevant scientific vocabulary in your paper. • You used the provided documents appropriately.
3	<ul style="list-style-type: none"> • Your paper contained generally relevant and correct scientific information beyond what is in the documents. • You generally used appropriate scientific vocabulary in most of your paper. • You generally used the provided documents appropriately.
2	<ul style="list-style-type: none"> • Your paper contained a mixture of correct and incorrect scientific information or was limited to information in the provided documents. • You used a mixture of appropriate and inappropriate scientific vocabulary. • Sometimes you used the documents appropriately; sometimes you simply copied information from the documents.
1	<ul style="list-style-type: none"> • Your paper did not contain correct scientific information. • You did not use appropriate scientific vocabulary. • You did not use the provided documents appropriately. • You did not write enough to demonstrate prior knowledge.

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Domain 3: Organization of Scientific Concepts: How well you organized your ideas.	
5	<ul style="list-style-type: none"> • All parts of your organizational plan were effective and appropriate. • You effectively grouped and linked scientific ideas in all parts of your paper. • Your introduction and conclusion were effective for the assigned task and appropriate to the scientific purpose. • You used an extensive variety of transition words and phrases; all of your ideas are logically linked to the ideas that precede and follow them.
4	<ul style="list-style-type: none"> • Most parts of your organizational plan were effective and appropriate. • You effectively grouped and linked scientific ideas in most parts of your paper. • Your introduction and conclusion are effective for the assigned task. • You used extensive variety of transition words and phrases.
3	<ul style="list-style-type: none"> • Your organizational plan is generally appropriate. • You grouped related scientific ideas together into paragraphs. • Your introduction and conclusion were clear. • You used some transition words.
2	<ul style="list-style-type: none"> • You demonstrated little evidence of an organizational plan or organizational plan is inappropriate to the assigned task • You attempted to group ideas; some grouping was unclear. • Your paper lacked an introduction or conclusion <u>or</u> contained an ineffective introduction or conclusion. • Your transitions were ineffective.
1	<ul style="list-style-type: none"> • Your attempts at organization were not effective. • Ideas were not grouped. • Your paper lacked an introduction and/or conclusion. • You did not use transitions. • There is not enough written to demonstrate an organizational plan.

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Domain 4: Conventions: How well you demonstrated control of sentence formation, usage, and mechanics (citations, punctuation, spelling, capitalization, and paragraph breaks)	
5	<ul style="list-style-type: none">• Your sentences were extensively varied, clear, and effective in all parts of your paper.• All <u>elements</u> of usage were consistently correct (subject-verb agreement, standard word forms, pronoun-antecedent agreement, tense).• All <u>elements</u> of mechanics were consistently correct (citation of original sources, internal punctuation, spelling, capitalization, paragraph breaks).• There were very few errors in your paper.
4	<ul style="list-style-type: none">• Your sentences were varied, clear and generally effective.• Most <u>elements</u> of usage and mechanics were consistently correct.• There were few errors in your paper.
3	<ul style="list-style-type: none">• Your sentences were generally correct, but there may have been some fragments and run-ons.• Usage and mechanics are generally effective.• Errors did not prevent the reader from understanding your ideas.
2	<ul style="list-style-type: none">• Your simple sentences were correct, but there were frequent fragments and run-ons in your paper.• Your paper contained a mixture of correct and incorrect usage and mechanics.• Some errors interfered with the reader's understanding of your ideas.
1	<ul style="list-style-type: none">• Your sentences were incorrect, inappropriate, or unclear.• Usage and mechanics were incorrect, inappropriate, or unclear.• Your paper contained severe errors that prevented the reader from understanding your ideas.