

## 8th Grade Science Ecosystem Culminating Assessment

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_ Per: \_\_\_\_\_

Ecosystem: \_\_\_\_\_

	4	3	2	1
<b>Presentation</b>				
<b>Identifying Populations</b>	More than 10 correct biotic factors are illustrated and labeled correctly, and cover at least one animal, plant, and decomposer.	10 correct biotic factors are illustrated and labeled correctly, and cover at least one animal, plant, and decomposer.	Less than 10 correct biotic factors are illustrated and correctly labeled, but do not cover at least one animal, plant, and decomposer.	Less than 10 correct biotic factors are illustrated and name labels are incorrect <b>OR at least 2 biotic factors listed are not found in the ecosystem.</b>
<b>Address Limiting Factors</b>	Detailed description of at least 2 limiting factors is present, including what the limiting factor is and how it limits a population.	Detailed description of only 1 limiting factor is present, including what the limiting factor is and how it limits a population.	Only 1 limiting factor is mentioned, but details describing the effect the factor has on the population are missing/incomplete.	No limiting factors are present
<b>Cycling of Matter</b>	Depicts the Nitrogen, Water, and Carbon Cycles correctly, using images specific to the ecosystem.	Depicts 2 of the 3 cycles of matter correctly using images specific to the ecosystem, <b>OR Depicts all cycles of matter correctly but doesn't use images specific to the ecosystem for 1 of the cycles.</b>	Depicts only 1 of the 3 cycles of matter correctly using images specific to the ecosystem, <b>OR Depicts all cycles of matter correctly but doesn't use images specific to the ecosystem for 2 of the cycles</b> , OR Depicts 2 of the 3 cycles of matter correctly but doesn't use images specific to the ecosystem for 1 of the cycles.	Does not depict any cycling of matter correctly, <b>OR Depicts at least 1 cycle of matter but does not use images specific to the ecosystem in any cycle.</b>

<p style="text-align: center;"><b>Food Webs</b></p>	<p>A food web is constructed with no errors by using more than the 10 "biotic" factors described in the project. Arrows are drawn to show the flow of energy. Labels are included to distinguish producers, consumers (1st, 2nd, 3rd) and decomposers.</p>	<p>A food web is constructed with with 10 biotic factors <b>OR the food web contains 1 error.</b></p>	<p>A food web is constructed with less than 10 biotic factors present <b>OR the food web contains more than 1 error.</b></p>	<p>A food web not constructed <b>OR contains several errors.</b></p>
<p style="text-align: center;"><b>Population Dynamics</b></p>	<p>4 examples of relationships are presented correctly. At least one example of each of the following: Mutualism, Commensalism, Parasitism, Predator/Prey.</p>	<p>3 of the 4 examples of relationships are presented correctly <b>OR 1 example is incorrect/not specific to the ecosystem.</b></p>	<p>Only 1 or 2 of the 4 examples of relationships are presented correctly <b>OR 2 or 3 examples are incorrect/not specific to the ecosystem.</b></p>	<p>No relationships are presented correctly <b>OR all relationship examples are not specific to the ecosystem.</b></p>
<p style="text-align: center;"><b>Human Impact</b></p>	<p>Reasonable explanation of density-dependent limiting factor's impact on the population, discussion of protected species (or stating that there are none if there are none), sufficient discussion of what humans would lose if development happened.</p>	<p>One of the 3 parts is missing or incorrect.</p>	<p>2 of the three parts is missing or incorrect.</p>	<p>No discussion of human impact.</p>

**"Take Away" Pamphlet**

<b>Information</b>	All information is found in "take away" Pamphlet	Most information is found in the "take away" Pamphlet	Some information is found in the "take away" Pamphlet.	"Take away" lacks useful information for audience to review after the presentation.
<b>Design</b>	The product has exceptionally attractive formatting and well-organized information.	The product has attractive formatting and well-organized information.	The product has well-organized information.	The product's formatting and organization of material are confusing to the reader.
<b>Citations</b>	Proper MLA format of all resources present.	Resources are listed, but not in proper MLA format.	Improper resources are listed. (ex: google.com or wikipedia.com)	No resources are listed.

Total = \_\_\_\_\_/36  
 \_\_\_\_\_%