

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Block: \_\_\_\_\_

## Ecosystems Investigation Rubric

Use [www.earthecosystems.weebly.com](http://www.earthecosystems.weebly.com) to access the ecosystems project. This rubric will be how you are graded.

<b>Category</b>	<b>Pts. Possible</b>	<b>Pts. Earned</b>
<b>1. Ecosystem WebQuest Research sheet:</b> Each person is responsible for their own research sheet. It should be all finished, in complete sentences, and the information must be accurate.	10	
<b>2. Product:</b> the PowerPoint or poster that you make must have the following:		
<b>A. Biotic Factors:</b> The plants and animals you choose must fit into the roles of producers and consumers. You must have five producers, five primary consumers, three to five secondary consumers, two to three tertiary consumers and one decomposer. You must find specific species that live in your ecosystem and that also fit together into a food web.	6	
<b>B. Abiotic Factors:</b> The abiotic factors you must discuss in the project are, water, sunlight, temperature and soil. Each factor must be defined and explained for your ecosystem.	5	
<b>C. Limiting Factors:</b> The factors that limit the populations of plants and animals in the ecosystem must be explained. There should be natural limiting factors like predators or weather, and there must be human limiting factors like pollution and development.	5	
<b>D. Food Web:</b> A food web must be created that includes all of the biotic factors in your ecosystem. Pictures and names for all species must be included, and arrows showing the direction of energy movement must be in the web.	10	
<b>3. Presentation:</b> The project must be presented to the class, and should be three to five minutes in length. All of the factors must be explained, as well as the food web.	10	
<b>4. Works Cited:</b> All of the web sites and books used to gather information must be compiled in a works cited sheet and handed in with the rubric at the end of the project.	4	
<b>Total</b>	50	