Biome-in-a-Box Project





Objective:

The student will investigate and understand dynamic equilibria within populations, communities, and ecosystems.

**\*\*\*DUE ON Monday, December 6th\*\*\***

**Biome-in-a-Box Diorama: (50 points)**



You may chose from the following biomes:

1. Tundra
2. Taiga (Coniferous Forest)
3. Desert
4. Temperate Deciduous Forest
5. Tropical Rain Forest
6. Grassland
* The box for the project should be shoebox size or larger.
* The diorama should contain:
	+ At least 3 animal species found in your chosen biome.
	+ At least 3 plant species found in your chosen biome.
	+ The biome should be realistically represented with geographical features such as mountains, streams, rivers, etc.
	+ You may use clay, paint, papier-mâché, small plastic trees or animals, or anything else that you can think of to portray your biome correctly. BE CREATIVE!!
	+ A background on the back and sides of the box
		- The background may be painted, drawn and colored, or made of a neat collage of pictures cut from magazines

Sources: You may use your class notes, encyclopedias, and the following Internet websites:

<http://www.ucmp.berkeley.edu/glossary/gloss5/biome/>

<http://www.enchantedlearning.com/biomes/>

<http://www.cotf.edu/ete/modules/msese/earthsysflr/biomes.html>

<http://www.fcasd.edu/schools/dms/Biome.htm>

\*\*\*Plagiarism is unacceptable!! Do nyour own work\*\*\*

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The Biome-in-a-Box diorama is worth a maximum of 50 points.

Use the rubrics provided to help you with designing your project. You must turn in your rubric with your project.

# Biome in a Box Diorama Rubric NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | **10** | **8** | **6** | **5** |
| **Attractiveness****and Creativity** | Display box is very attractive and creativity is evident. | Display box is very attractive. | Display box is somewhat attractive. | Display box is messy and unattractive. |
| **Accuracy of Animals** | More than 3 animals are accurately shown. | At least 3 animals are accurately shown. | One animal is inaccurately shown. | More than one animal is inaccurately shown. |
| **Accuracy of Plants** | More than 3 plants are accurately shown. | At least 3 plants are accurately shown. | One plant is inaccurately shown. | More than one plant is inaccurately shown. |
| **Background** | Background is very neatly depicted and present on all three sides. | Background is neatly depicted and present on all three sides.  | Background is present on all three sides. | Background is not present on all three sides. |
| **Completeness** | All components of assignment are present. | Most (1 item missing) components of assignment are present. | Some (2 to 3 items missing) components of assignment are present. | Few (more than 3 items missing) components of assignment are present. |

Points earned: \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

Points from Diorama:\_\_\_\_\_\_\_