







Purpose: To identify components of an ecosystem; to describe how organisms interact with the biotic and abiotic factors in their habitat; and to describe how different environments support different varieties of organisms.

Part I. Research

Use the links provided to research information about the biome you have been assigned. Make sure you gather information about:

-  Weather & climate (Temperature, Precipitation, etc.)
-  Landforms - (Mountains, Bodies of water, Canyons, Islands, etc.)
-  Plants, Animals, and other organisms which live in this biome
-  Limiting factors to the growth of the populations
-  Biotic and Abiotic factors found in this biome
-  Relationships and interactions between the biotic and abiotic factors

Links to use for research:

- Tutorial on world biomes with good map: http://www.blueplanetbiomes.org/world_biomes.htm
- Summary of biome characteristics: <http://www.cotf.edu/ete/modules/msese/earthsysflr/summary.html>
- “Mission: Biomes”: <http://earthobservatory.nasa.gov/Laboratory/Biome/>
- Good slides explaining and illustrating aquatic biomes: http://www.mhhe.com/biosci/esp/2001_es/folder_structure/pr/m6/s3/index.htm
- Slides for land biomes: http://www.mhhe.com/biosci/esp/2001_es/folder_structure/pr/m6/s2/index.htm
- Bibliography of links to useful resources on biomes: <http://www.mikids.com/5/biomes.html>
- Another biomes tutorial: <http://www.ucmp.berkeley.edu/glossary/gloss5/biome/>
- Aquatic and terrestrial biomes: <http://kids.nceas.ucsb.edu/biomes/index.html>
- Missouri Botanical Gardens tutorial on Biomes of the World: <http://www.mbgnet.net/sets/index.htm>

Part II: Creating the Poster

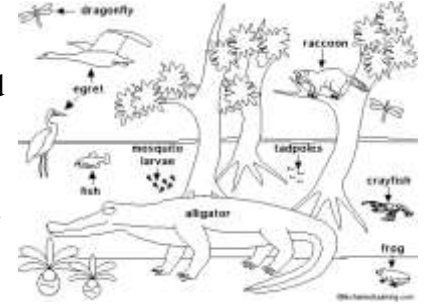
- A 12” x 18” poster board will be provided by the teacher.
- You should include all required information neatly written or typed on paper pasted to your poster. *Refer to the grading rubric for more information.*
- You may add relevant pictures where desired but should have **at least 6 (six) illustrations related to your biome and a world map showing where your biome is located** (*reference the grading rubric for more information*). Your pictures can be landscapes or of individual plants and animals found in your biome.
- **You must include a well-written paragraph summarizing the main characteristics of your biome. Your paragraph must include the following:**
 - **Basic location on earth**
 - **Typical/ characteristic plants**
 - **Typical/ characteristic animals**
 - **Climate – temperature and precipitation**
 - **Other interesting information**
- You will construct your poster with materials you have gathered online, in print, created by you, etc.
- You will perform research at home and **two** days in class. You will have **one** day in class to assemble your poster.
- Your poster must be colorful, neatly designed, organized, and have accurate and relevant information.

“Descriptive Title”

Description of Biome

Location: Describe where this biome is located – in which countries and continents. Also describe near which landforms or geographical areas this biome is generally found.

General Characteristics: Give a description which is true of this biome in all of locations around the world, may include an overview of the climate and types of habitats found in this biome.



Physical/Abiotic factors

Temperature Range: (you may have diff. ranges for each season)

Precipitation: (average rainfall in a year or average for rainy season & dry season)

Landforms:

Bodies of Water:

Living/Biotic Factors

Plants

- 1.
- 2.
- 3.
- 4.

Animals

- 1.
- 2.
- 3.
- 4.

Other Organisms

- 1.
- 2.

Map of the Earth
showing where your
biome can be found

Relationships

Discuss the organisms' relationships with the biotic and abiotic factors in the environment.

Pictures showing plants and animals in biome

3 Animals

(Give information on how each animal has adapted to their specific environment)

3 Plants

(Give information on how this plant has adapted to its specific environment)

Pictures of landforms in biome

Pictures of landforms in biome

Pictures showing plants and animals in biome



(This is an example poster layout; you do NOT have to follow this exact format.)

Name _____ Section _____ Date _____

Biome Poster Grading Rubric

Category	Requirement	1	2	3	4
General Info	Biome: _____ Summary paragraph complete & follows assignment directions				
	Name of your Biome/ Title clearly shown on poster				
	Correct locations on map				
Abiotic/ Physical	Climate description <ul style="list-style-type: none"> • Temperature • Rainfall/ precipitation • Seasons 				
	Soil/ landform description and illustration				
Biotic/ Living	List (5) characteristic plants native to biome Describe & show (3) characteristic plants				
	List (5) characteristic animal populations native to biome Describe & show (3) characteristic animals				
	Include at least 6 illustrations of characteristic plants and animals. Illustrations must: <ul style="list-style-type: none"> • Be representative of biome • Have informative captions and labels 				
Format	Correct grammar and spelling				
	Neatness and use of color				
	Overall Effort				
Total Score:					
Comment:					

Rubric Key:

1= Below Expectations
2 = Meets Expectations

3 = Exceeds Expectations
4 = Outstanding; you've created a new standard!