

Name: _____

BiomeViewer at HHMI (<http://www.hhmi.org/biointeractive/biomeviewer>)

How to Use the App

- Use the mouse to click and spin the globe to view different parts of the world. **Use the PIN** to mark an area that you want to see details about.
- When you click on an area, another window will open to provide details about the area (description, climate, and wildlife)
- Click on “compare” to see details of two biomes side-by side
- Click on the globe to switch from a spherical view to a flat projection of Earth

Part 1: Explore the Biomes

1. Examine tropical rain forests found in 2 locations on the earth. Use the side by side comparison view to description, climate and wildlife at the two locations. Complete the following chart.

Rainforest	Location	Similarities	Reptiles (sp)	Amphibians	Mammals
Tropical Rainforest - South America					
Tropical Rain Forest - Africa					

2. Click on the wildlife tab and explore some of the animals found in the rainforest at your locations. You can filter for “threat levels.” Complete the chart below by providing three examples of species from each category.

	Endangered or Vulnerable Species	Least Concern Species (list 2 from each group)
Tropical Rainforest - South America		
Tropical Rain Forest - Africa		

3. Click on the climate tab. What information can be learned from the climatograms shown?

Are the two locations similar?

Sketch a CLIMATOGRAM of the rainforest you investigated.

4. Compare the climate of a rainforest in Asia. You will need to go back to the viewer and pin a spot in the area of China and Indonesia. Compare and contrast this asian rainforest to the two you have already examined. You can summarize your findings.

Part 2: Choose two more comparisons. Explore the app on your own and compare two similar biomes that are found in different parts of the world, like you did for part 1 with the rainforests.

Create a similar table or chart that creates a comparison for your two biomes. You may want to attach the page to this one or even write it using a word processing app. You will be graded on how thorough and organized you are with the comparison. You can use part 1 as a guide.

Part 3: Explore Your Home

Use the search function to find your zip code.

Description	Temperature Range	Precipitation Range	Wildlife (Provide at least 2 examples from each category: reptile, amphibian, mammal)

Go to the Anthrome Viewer and view how your zipcode has changed since 1700.

Summarize: How did your location change in the last 300 years? How have humans impacted this environment?

Part 4: Explore Gorongosa

Gorongosa is a national park in Mozambique and was once among the most diverse places on earth. You can help scientists studying the park by viewing Trail Camera images and determining what animals have been captured on camera.

Go to <https://www.wildcamgorongosa.org> and click on “Get Started” - You can also sign up, but it’s not necessary Scroll through the camera images and see how many animals you can find.

List any animals you were able to identify below.