

# Biomes Map

## Student Instructions

### Objective

The objective of this activity is for you to use Google Maps to create a map of the terrestrial biomes described in your textbook. An instructional video is included in the “Biomes Map” activity found on the [www.JenksFERST.org](http://www.JenksFERST.org) website.

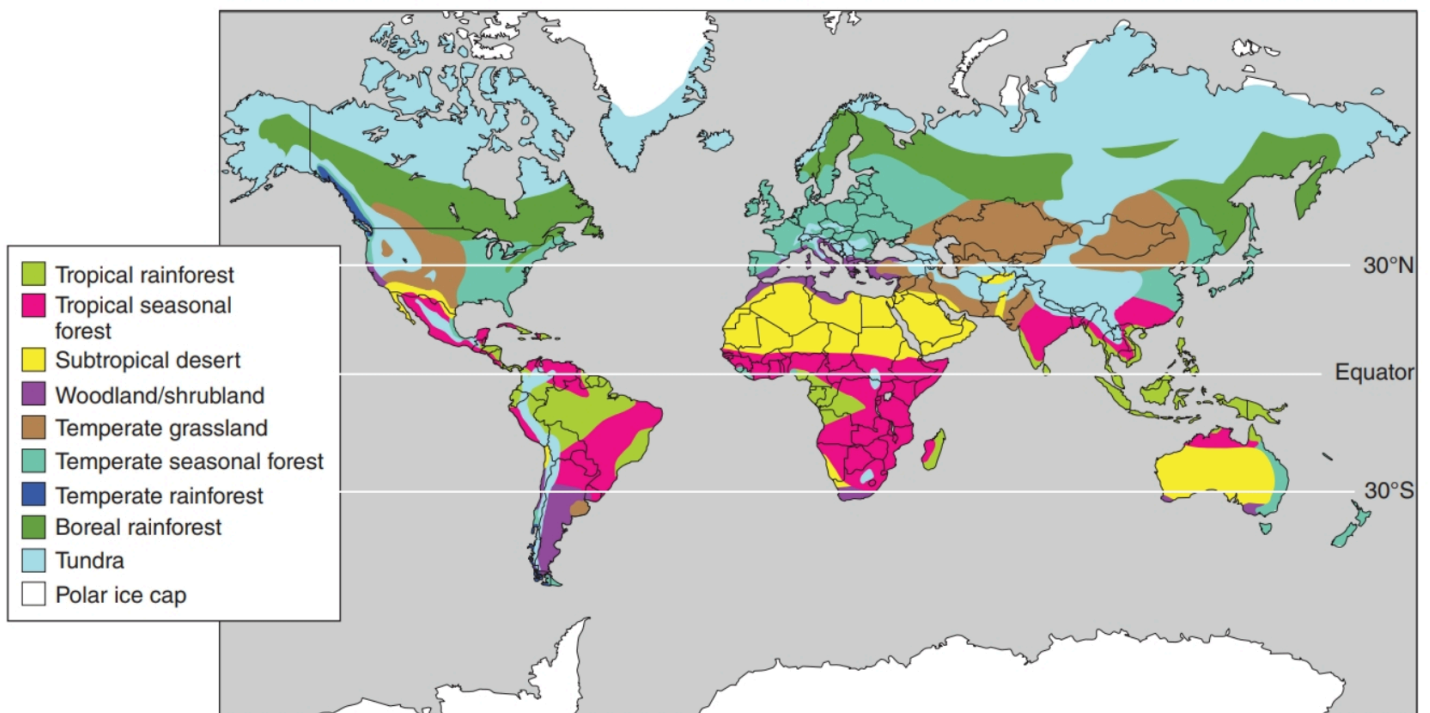
[Link to the “Biomes Map” activity](#)

When this activity has been completed, your map will be located in “Your places”→“MAPS” when you return to Google Maps on your Chromebook. This map will be used again in the future.

### Materials Needed

- Chromebook or laptop
- Terrestrial biomes reference map
  - Class textbook (a map from the JHS APES textbook is shown below)
  - Online resource (be sure that at least 10 biomes are included)

### JHS APES Reference Map (10 Terrestrial Biomes)



**FIGURE 12.3** Biomes. Biomes are categorized by particular combinations of average annual temperature and annual precipitation. (Data from <http://www.biome-explorer.net/Biomes-Map.html>)

**Procedure** - Refer to the video that is included in the “[Biomes Map](#)” activity

1. Make 3 layers
  - a. Tropical Biomes
  - b. Temperate Biomes
  - c. Other Biomes

2. The 10 biomes listed in the reference map (above) must be included. They will be divided between the 3 map layers in 1).
3. Create a “polygon” for each terrestrial biome shown in your reference map
  - a. 2 polygons for each of the 10 biomes should be included in the appropriate “layer”
    - i. 2 different areas for each biome need to be shown on the map
    - ii. Develop a “name/label” for each polygon based upon:
      1. Biome represented
      2. Location
  - b. Each polygon’s name/label should be visible on the map
  - c. The color of each biome’s polygon should match the color used in the reference map
  - d. 2 facts about the biome in the location represented by the polygon should be included in the description for that polygon (**information/facts from your “Biome Review Sheet” could be used to meet this requirement**)
4. When your GIS map is complete, present it to your instructor for evaluation

**Evaluation**

Your GIS map will be evaluated by your instructor using the rubric below. You may want to have a classmate critique your map with the rubric before presenting it to your instructor. When you have completed your map, submit it using the provided Google Form.

**Table 1: GIS Map Evaluation Rubric**

Task	Points	Checklist
3 layers labelled correctly	3 points	
10 biomes (2 polygons of each biome) with correct colors and locations	10 points	
Each polygon’s name/label appears on the map and is appropriate	2 points	
2 facts included in the description of each polygon	10 points	
<b>TOTAL POINTS</b>	<b>25 points</b>	