Biome Project: Digital Compilation Prompts

Review these to make sure you have included all of the necessary information! Please print, annotate, and highlight a copy to show that you have seen all the necessary information.

* Exact **location** (keep in mind what  water supply will be used when choosing a location within your assigned biome) a world map and the landmarks or features, type of biome or ecosystem. [Inserting Google Maps](http://www.randomconnections.com/?p=2366)
* Exact **dates** (your choice) why is this date better than other dates? You will use the climatogram to help with your choice (see the next item).
* Describe the yearly **climate pattern** [(climatogram in Excel XP](http://www.ciese.org/curriculum/weatherproj2/en/docs/climatogram.shtml)) ([How to make a climatogram in Excel 2007 or 2010](http://www.youtube.com/watch?v=QeRiKtgC5y0))and what are your expected weather conditions for the chosen location and time. Create a climatogram of the yearly precipitation and temperature of your site. Use the above link to view some sample climatograms. You will need to GATHER as much background information as possible to create your own. A climatogram is a graphical representation that shows the amount of precipitation and the average temperature per month of a given biome. Both variables are plotted on the same graph to show how they relate to each other. The data on the climatogram must be accurate. The months of the year should occupy the horizontal axis, and the vertical axis should be Temperature and amount of precipitation respectively. Temperature should be plotted with one color, and precipitation should be plotted in a different color. ([How to make a climatogram link (simple)](http://www.grochbiology.org/HowToMakeAClimatogram.htm)
* Sources of **natural resources** (examples, renewable energy, water, etc).
* List **of indigenous (native) plants** any edible…<http://www.survivaliq.com/index.htm>
* (Bryophytes, Pteridophytes, Gymnosperms, Angiosperms)... are there any plants you could grow  and you can harvest? Plan for capturing food, harvesting food, or growing food (if that is possible in your biome... make sure you mention)
* List of **native animals**... see the list of [phyla and classes](http://www.grochbiology.org/Classification%20and%20Diversity%20Word%20Bank%20for%20the%20Lab%20Practicum.doc)
* Other organisms (other kingdoms) that could be considered food (Bacteria, Archaea, Protista,Fungi)
* What is the **carrying capacity** of the area? Find a way to quantitatively represent resources, boundaries, competition (predator/prey).
* Find **trends for the area** and represent them quantitatively, examples, climate change, weather patterns, invasive species, human impact, etc.
* Construct a food web that includes you and other organisms in your biome.
* What are the **challenges of living** in the assigned biome? Are there any controversies associated with your biome? (human, invasive species, climate, etc.)
* What kind of **natural disasters** is your biome prone to experience? (examples, earthquakes, tsunamis, volcanic eruptions). What would be the outcome of one of the disasters if it occurred (to humans, native animals, habitats)? Who is most likely to survive? Try to find a historic version of a natural disaster that occurred in your area. W
* What are humans doing to **avoid impacting** (destroying) the environment.
* Is there anything else you wish to include?
* **REMINDER** - make sure you cite images and other references used throughout your project, both for your presentation and compilation. Footnotes are acceptable. (use APA format for your references. [www.bibme.org](http://www.grochbiology.org/www.bibme.org)