**CH. 3: COMMUNITIES, BIOMES, AND ECOSYSTEMS RFC # 2**

* Read the following questions, **then** read from Ecological Succession (p 62) to Terrestrial Biomes (p65), **then** answer the following questions on your own paper in **COMPLETE SENTENCES**
  1. Give an example of a small way and a large way an ecosystem might be modified.
  2. **Type II Writing**: Explain why a forest fire can be good (and even necessary for the forest community).
  3. What is ecological succession? Name the two types.
  4. What is primary succession?
  5. What are lichens? Why are they, along with some mosses, called pioneer species?
  6. How do pioneer species help to create soil?
  7. What makes up the first stage of soil development and what kind of organisms become established at this point?
  8. After the first stage of soil development, how is additional soil created and what can grow in it?
  9. What can grow when eventually there is enough soil?
  10. What is a climax community and why is a true climax community unlikely to occur?
  11. What are examples of disturbances that can disrupt a community?
  12. What is secondary succession?
  13. What are the first species to start secondary succession?
  14. Using Data Analysis Lab 1:
      1. Which community of plants had the greatest positive change in shoot biomass 4 months after soil invertebrates were added? (choose early, mid-succession, or late)
      2. Which community of plants was least affected 12 months after soil invertebrates were added? (choose early, mid-succession, or late)
      3. Between what two time periods did the early succession plants show the greatest change in shoot biomass? (choose 0-4 months, 4-6 months, or 6-12 months)
      4. Which community(ies) lost shoot biomass over the course of the 12 months following the addition of soil invertebrates? (choose from early, mid-succession, or late)
      5. Describe what happened to the shoot biomass for all plants at the time of each measurement.
  15. Which usually occurs faster, primary or secondary succession, and why?
  16. Why is it difficult to determine if succession has reached the end point (climax community)?