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

* Read the following questions, **then** read from Terrestrial Biomes (p 65) to Major Land Biomes (p66), **then** answer the following questions on your own paper in **COMPLETE SENTENCES**
  1. What is the MAIN Idea of Section 2?
  2. Contrast weather and climate.
  3. What is latitude? From what and to what does latitude range?
  4. Why is the Earth’s surface heated differently in different areas and what do ecologists call these areas?
  5. What other abiotic factors, in addition to latitude, affect climate?
  6. One more time, what is a biome?
  7. What can affect the composition of a biome?
  8. Using Figure 6:
     1. Which biomes have the highest average temperature?
     2. Which biome has the lowest average temperature?
     3. Which biome has the most annual precipitation?
     4. Which biome has the least annual precipitation?
     5. What is the average temperature range of a temperate forest?
     6. Approximately how much annual precipitation does a tropical seasonal forest get?
  9. Using Figure 7:
     1. What creates winds?
     2. Where do distinct global wind systems transport cold air? Warm air?
     3. Where do ocean currents carry warm water? What happens to it once it gets there?
     4. Name three important greenhouse gases and how they warm the surface of the Earth.
     5. What is the ozone layer and what does it do?
     6. What do atmospheric studies indicate about chlorofluorocarbons (CFCs)?
     7. What is mainly responsible for the measured increase of carbon dioxide in the atmosphere and what has happened tp the average global temperature as a result?
     8. Approximately how much did the average global temperature increase between 1958 and 2002? (use the graph)
     9. Approximately how much did the concentration of carbon dioxide increase between 1958 and 2002? (use the graph)