1. How old is the earth?
2. What are the 3 main layers of the earth? Describe them.
3. How long has life been on the earth?
4. What 3 things make up the Biosphere? What do these 3 represent?
5. What is the theory that describes the movement of the earth’s crust?
6. Name 3 things that result from this movement.
7. Why is the hydrosphere important to life?
8. What are the 4 layers of the atmosphere? Describe each.
9. What is the difference between weather and climate?

1. What 4 things affect climate? Describe how they affect climate.
2. Describe the Coreolis effect. How does this affect where deserts occur on earth?
3. Describe the average temperature of the earth in geologic scale.
4. Describe the average earth temperature over the last 200 years (or less).
5. List and define the levels of organization (study) of the biosphere.  
   1. Biome
6. All energy originates from the \_\_\_\_\_\_\_\_.
7. Use a pyramid to help explain energy flow through an ecosystem.
8. What is a producer? A 1o consumer? A 2o consumer? Top predator?
9. What is a Keystone species?
10. A Sentinel species?
11. A decomposer?
12. How much energy gets passed to the next trophic level?
13. How much biomass is in each successive trophic level?
14. Describe the difference between Niche and Habitat.
15. What is warning coloration? Give an example.
16. What is camouflage? Give an example.
17. What is mimicry? Give an example
18. Describe the 2 types of reproductive strategies.
19. What are the 3 types of symbiotic relationships and give an example of each
20. Define succession:
21. What is the difference between primary and secondary succession?
22. What 2 main *abiotic* factors determine the Biomes? (according to your graphs)
23. How does carrying capacity affect populations with “K-strategy” reproduction?
24. How does this carrying capacity affect populations with “R-strategy” reproduction?
25. What is the term for the way “R-strategy” populations respond to carrying capacity?
26. Be able to interpret the Biome climatographs you made.