Summer Assignment
Course: AP Environmental Science
Instructor: Dr. Moni Berg-Binder

Due Date: 1st day of class

Overview: You will be reviewing some ecology concepts to help prepare you for the first unit in AP Environmental Science.

Directions: Answer the following questions *in your own words.*

1. What is the hierarchy of biological organization? In other words, place these concepts in order of smallest to largest: organism, cell, organ system, population, community, biosphere, ecosystem, tissue, organ

2. What are the definitions for the following ecology terms:

    a. Population -

    b. Community -

    c. Ecosystem -

3. What are the four types of biological molecules? Give an example of each.

4. What are the most common elements found in biological organisms?

5. Summarize the process of photosynthesis in 2-3 sentences. What is the equation for photosynthesis?

6. Summarize the process of cellular respiration in 2-3 sentences. What is the equation for cellular respiration?