

AP Environmental Science Summer Assignment – 2009

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**Two parts:**

**Part A: Due by the end of first quarter**

(But I suggest you do most or all of it over the summer before senior year charges in!)

Become a naturalist! Please take time to quietly observe your environment and the ecosystems around you to create a 15-20 page journal of your thoughts and illustrations. You will need to include at least one page for each of the following categories: 1) tree, 2) flower/plant, 3) bird, 4) mammal, 5) reptile *or* amphibian, 6) insect, 7) water (sea, pond/lake, stream/river, ice, fog/mist), and 8) at least one interaction between two of the choices. Remaining pages: your choice of any of the categories. You may also include other things that intrigue you such as wind, clouds, soil, stones, logs, etc. Try to determine genus and species of the living organisms you observe.

Each observation should have its own page in your journal and should include thoughtful descriptions, questions, and musings, as well as hand-drawn illustrations. The journal pages should be carefully created from notes of your observations – not the notes themselves!

This should be a project you will be proud of and which will represent original thought and creative effort. Your observations may be taken anywhere from your own backyard to places to which you travel. Start now while you are still in school mode!

Rubric:

- Journal must be in a clean and tidy notebook, folder, thin binder, or homemade binding.

- Include:

1. Decorated title page: title of journal, name, class, date;
2. Table of contents;
3. One journal entry per piece of paper (one entry can continue to the back but don't start a new entry on the back side of a journal page);
4. Entries can be typed or handwritten. If hand written, careful attention to clarity is required.
5. Date, locations (genus/species if relevant) of observations included with each entry;
6. Many illustrations should be in color (but pencil or charcoal okay too). Illustrations can be created on other paper and glued carefully onto your page or drawn directly on the page. Some illustrations should include details (flower petal, bird feather) as well as more encompassing pieces of the whole.

**Part B:**

(Again I suggest you do most or all of it over the summer to hit the ground running!)

Textbook – Miller, G. Taylor, Jr. Living in the Environment: Principles, Connections, and Solutions, 13<sup>th</sup> Edition.

**Due on First Class Meeting:**

Read and take notes:

Chapter 1 – Environmental Issues, Their Causes, and Sustainability

Chapter 2 – Environmental History: an Overview

Please take **comprehensive** notes for each chapter as the first quiz will include these chapters.

**Due: Day one of second week:**

Chapter 1 – Review questions 2, 5, 6, 9, 12, 14, 16, 18,

Chapter 2 – Review questions 1, 3, 5, 7, 11, 13, 15, 16,