

Welcome and thank you for joining me on this journey into AP Environmental Science (APES)! There is much to learn and summer work is required. This set of papers includes assignments that will be scored once the school year 2018-19 gets underway.

Assignment guidelines:

- Unless otherwise noted, all assignments should be typed, double spaced, Times New Roman font (12p), 1” margins.
- Work submitted electronically needs to include **your name and assignment title** as part of the file name; this facilitates organization and grading on my end. Thanks.
- Please do not cut and paste information from other sources, particularly the Laws and Treaties section. Use your own words. **Plagiarism will not be tolerated.**

The following are work to be done before our first class meeting:

1. **Send me a “Letter of Introduction” (aim for 1 page, Word doc email attachment)** including, but not limited to:
  - a. Your full name and what you prefer to be called.
  - b. Who you are and what are your interests?
  - c. Why are you taking APES?
  - d. What are your previous and concurrent math and science courses?
  - e. What are your college and career aspirations?
  - f. Anything else you think I should know – hobbies, family, sports, clubs, etc.
2. **Write a brief review of a film.** Many films and documentaries have been made to influence society’s environmental consciousness intentionally or accidentally. Select one film from the list below. A few are not available on-line but should be easily rented, if not already in your home collection.
  - a. Describe the environmental theme(s) presented in the film and what message the film maker is presenting about the theme(s).
  - b. Tell me about motivations for your choice of film. Please be honest.
    - **“Home”** (<http://youtu.be/jqxENMKaeCU>) Environmental eye candy with a message.
    - **“The Lorax”** (<https://youtu.be/8V06ZOQuo0k>) The original cartoon version.
    - **“Ferngully: The Last Rainforest”** One critic suggests this influenced the making of “Avatar”
    - **“Wall-E”** Robot fun.
    - **“Happy Feet”** Why not? It’s about birds and more.

### 3. **Laws and Treaties – A summary of each listed Law or Treaty**

Make a summary table or spreadsheet of each of the following Laws and Treaties, to include:

- a. Name of Law or Treaty
- b. Year Enacted; Year Amended, if applicable
- c. International or American?
- d. Describe the function or intent of the law (what is it intended to do?)
- e. Name the Agency or Group responsible for regulation and enforcement – (i.e. U.N., Department of Interior, EPA, etc.)

<b>List of Laws and Treaties applicable to APES (not a complete list)</b>	
1. <b>Convention on International Trade in Endangered Species (CITES)</b>	19. <b>Hardrock Mining and Reclamation Act</b>
2. <b>Kyoto Protocol</b>	20. <b>Lacey Act</b>
3. <b>Law of the Sea Convention (LOSC)</b>	21. <b>Migratory Bird Hunting Stamp Act</b>
4. <b>Madrid Protocol</b>	22. <b>National Appliance Energy Act</b>
5. <b>Montreal Protocol</b>	23. <b>National Environmental Policy Act (NEPA)</b>
6. <b>Ocean Dumping Act (ODA)</b>	24. <b>National Park Act</b>
7. <b>Rio Earth Summit</b>	25. <b>National Wildlife Refuge System Act</b>
8. <b>Stockholm Declaration</b>	26. <b>Nuclear Waste Policy Act</b>
9. <b>Clean Air Acts (U.S.)</b>	27. <b>Occupational Safety and Health Act (OSHA)</b>
10. <b>Clean Water Acts (U.S.)</b>	28. <b>Oil Pollution Act</b>
11. <b>Comprehensive Environmental Response, Compensation Liability Act (CERCLA)</b>	29. <b>Resource Conservation and Recovery Act (RCRA)</b>
12. <b>Emergency Planning &amp; Community Right-To-Know Act (EPCRA)</b>	30. <b>Safe Drinking Water Act (SDWA)</b>
13. <b>Endangered Species Act</b>	31. <b>Superfund Amendments and Reauthorization Act (SARA)</b>
14. <b>Energy Policy Act</b>	32. <b>Surface Mining Control and Reclamation Act (SMCRA)</b>
15. <b>Federal Food, Drug, and Cosmetic Act (FFDCA)</b>	33. <b>Taylor Grazing Act</b>
16. <b>Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)</b>	34. <b>Toxic Substances Control Act</b>
17. <b>Federal Water Pollution Control Act</b>	35. <b>Wild and Scenic Rivers Act</b>
18. <b>Food Quality Protection Act</b>	36. <b>Wilderness Act</b>

Check Quizlet for a good start: <https://quizlet.com/9380200/ap-environmental-science-laws-and-regulations-flash-cards/>

### 4. **Visit, review and bookmark the [AP Central Environmental Science Course website](#) (about 20 minutes).**

This is the organization that sets the standards for AP courses. We will adhere to the standards set by AP so that your work will best prepare you for the AP exam.

### 5. **Review the information in the “Prerequisite Knowledge and Skills” document.** Expect a quiz on this material during the first week of class. Hopefully most of the terms and ideas will be familiar. Attempt all of the math problems at the end.

Again – please don’t wait until the last moment to do these assignments. You will have to invest a significant chunk of time to get them all done and late work **will not be accepted.**

Have a relaxing, fulfilling summer. See you at the end of August!

Mr. Carlough