

Dear future AP Environmental Science Student,

Welcome to APES! (Yes, it's called APES – A.P. Environmental Science.) I hope that you will have an enjoyable and restful summer to become rejuvenated for another school year. Over the summer, you do have an assignment to do to prepare you for APES. The assignment is attached and covers topics/places we will be discussing throughout next year. This assignment will be graded and it is expected you bring it with you completed on the first day of class.



The summer assignment will be due next September. However, **there is a questionnaire portion that you will need to email me before school starts.** It is quite simple and should only take you a couple of minutes to fill out. You can copy and paste the questionnaire into your email. Please email me your questionnaire at nclardy@aacps.org.

During the summer if you have any questions about the course or the summer assignment, do not hesitate to get in touch with me. I look forward to meeting you and teaching you in the fall!

Have a great break!

Mrs. Clardy



AP Environmental Science Summer Assignment



To be turned in first day of class

To prepare yourself for the course, we would like you to complete several assignments during the summer. These assignments will be collected and will be graded, so please do not do these assignments at the last minute.

1. Developed vs. Developing Countries

Research and define what it means to be a developed country and a developing country.

Developed _____

Developing _____

Put a check for whether the following countries are developed or developing:

Country	Developed	Developing
China		
United States		
Germany		
India		
Spain		
Japan		
Australia		
Costa Rica		
Iraq		
Canada		

2. Calculate your "footprint" on the planet by going to the following website and following the prompts. You do not need to type in a username or password. Fill in the blanks below from the summary box when you are finished.

Website: <http://www.footprintnetwork.org/en/index.php/GFN/page/calculators/>

- What is an ecological footprint?
- Planet Earths required to support you _____
- Hectares required to support your lifestyle _____
- Which part of your lifestyle is the largest part of the pie chart? _____
- Click on the links to reduce your footprint. One reduction you could make is

- What conclusion can you draw regarding economic status, developed vs developing countries and ecological footprints?

3. **Vocabulary:** define the following vocabulary words which are regularly used in APES.

a. Anthropogenic-

b. Sustainable-

c. Acid Deposition-

d. Remediate-

e. Energy Star-

f. Biodiversity-

g. Subsidies-

4. **Environmental Hot Spots**

Identify and write the name of the following places on your map:

- Chesapeake Bay
- ANWR
- Three Gorges Dam
- Aral Sea
- Chernobyl
- Three Mile Island
- Yucca Mountain Storage Site
- Love Canal
- Prince William Sound, Alaska
- James Bay, Quebec

For each of the places, summarize their impact on the environment on the attached sheets (at the end). To do this, search for "environmental concerns" plus the name of the place in the Google search engine. Example: "environmental concerns and ANWR."

5. Complete ONE of the following:

a. Current Issues:

- Collect 1 article regarding environmental issues in the Chesapeake Bay.
- Include the following:
 - a summary of the article (one paragraph—3-5 sentences)
 - your opinion on the topic (one paragraph—3-5 sentences)
 - Source with Internet link, book, magazine, or newspaper citation

b. Visit ONE natural setting this summer that could include a local, state, or national park, wildlife refuge, beach, forest, etc. Be silent for five minutes and observe the sights and sounds around you.

- Write a two or three paragraph reflection which includes the name/location of the park & any cool observations you made, what the park is doing to help the environment, and what you hope to accomplish and learn from taking APES in the coming year.

***Your assignment may be either typed or hand-written.**

Have a wonderful summer!!



Environmental Hot Spots

Chesapeake Bay

What is it? What connection does it have with the environment? What are the concerns?

ANWR

What is it? What connection does it have with the environment? What are the concerns?

Three Gorges Dam

What is it? What connection does it have with the environment? What are the concerns?

Aral Sea

What is it? What connection does it have with the environment? What are the concerns?

Chernobyl

What is it? What connection does it have with the environment? What are the concerns?

Three Mile Island

What is it? What connection does it have with the environment? What are the concerns?

Yucca Mountain Storage Site

What is it? What connection does it have with the environment? What are the concerns?

Love Canal

What is it? What connection does it have with the environment? What are the concerns?

Prince William Sound, Alaska

What is it? What connection does it have with the environment? What are the concerns?

James Bay, Quebec

What is it? What connection does it have with the environment? What are the concerns?
