

All work should be typed, and a copy saved to prevent loss.

1. Natural resources and their purposes

Report on a national park.

- When was the park established?
- Write a summary of the park and what purpose it serves (what does it protect, what does it preserve, who does it serve, etc.).
- Mention two economic and two ecological impacts.
- Include the appropriate biome it occupies.
- Visit a national park THIS summer. Include a picture of yourself with one park feature in the background (Park sign perhaps?). (+5 bonus points)

2. Contributors in environmental history

For **each** of the following people, identify and briefly describe their impact, and or contribution to environmental history. Wikipedia cannot be your major source. Cite each source in APA 5th format or MLA.

Carson, Rachel	Commoner, Barry
Cousteau, Jacques	Darwin, Charles
Ehrlich, Paul	Wangari Maathai
Hardin, Garrett	Hawkin, Paul
Malthus, Thomas	Mills, Stephanie
Muir, John	Obama, Pres. Barack
Roosevelt, Pres. Theodore	Wilson, Pres. Woodrow

APES SUMMER 2019 Assignment

Contact: Williams (williamsc1@fultonschools.org)

<https://sites.google.com/view/apes-jchs/home>

3. Environmental Laws:

For each of the following laws or treaties - look up the year it was enacted and give a thorough (but brief) description of its goals (To protect animals is not good enough).

Clean Air Act,	Clean Water Act,
Endangered Species Act,	CERCLA (Superfund)
National Environmental Policy Act (NEPA)	Nuclear Waste Policy Act
FIRFA	Water Quality Act,
Resource Conservation & Recovery Act	Kyoto Treaty
Montreal Protocol	Marine Mammal Protection Act

4. Barron's AP Environmental Science Review Guide: *Edition: Any; however, more recent editions will have the most updated information.*

Assignment:

Complete the diagnostic test. Self- grade the diagnostic test. You will record your answers on paper. Either type OR take a picture and post the image in your final document to submit. In addition,

- Record Total number correct for the test
- Percent correct
- Number left blank
- Record your strongest area
- Record your weakest area

5. Barron's: Outline the Barron's chapter that pertains to Natural Biogeochemical Cycles.

- Describe **each** biogeochemical cycle mentioned in the study guide. Examples include carbon, nitrogen, sulfur, phosphorus, oxygen
- Illustrate and label at least **two** cycles.
- Complete the multiple-choice section at the end of this chapter. Include your score.

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6. View a film related to an environmental issue

For the film cite the title and released date. Write an overview of the film addressing the questions below. The overview should be 12-font, double spaced.

- What was the theme of the film, purpose and intent and how is the film connected to the course?
- What are the points of [view](#) presented?
- Did the movie teach you something that you did not know before and was the information presented based on factual data or fiction?

7. Write the chemical equations that would be used to express the following

- ocean acidification
- acid rain caused by sulfur
- acid rain caused by nitrogen oxide
- photochemical smog equation
- CFCs breaking down ozone in stratosphere
- photosynthetic equation