

A.P. Environmental Science Summer Assignment

Instructor: Sarah Hebel School: Crooms AoIT

Hello and welcome to A.P. Environmental Science (aka APES). The study of the environment is a dynamic one. It calls upon an interdisciplinary approach to fully comprehend all the aspects of environmental science. We face many serious environmental problems. The same resources we use to enrich our lives can and are being used to degrade our quality of living. Concerns about Global Warming, Acid Rain, Overpopulation, Ozone Depletion, Radioactive and Toxic Waste Disposal, Energy Crises, Endangered Species, Disappearing Habitats, Overflowing Landfills, and a multitude of other problems are now a daily part of the lives we lead. Complex environmental problems require complex solutions.

The goal of this summer assignment is to introduce you to some of the topics we will be covering in the course this next year. It will also review concepts that you have previously learned in other courses to ensure that you are prepared to succeed. The summer assignment will be divided into three parts. The first part will look at environmental issues and media. The second will be an introduction into



Environmental Science, some of these concepts may be review, and other will be new. Finally, the third will be a review the scientific method through journal article analysis. This document will cover the basics for each assignment. Copies of the assignments and resources can be found in the following google folder. When accessing the google folder, but sure to download all of the documents, do not edit them in the folder. All parts of this assignment are due the weekend following the first week of school on Sunday August 15th.

<https://drive.google.com/drive/folders/1IDwGhhblEKq3QrVUUZAGvLxMW9GTLknW?usp=sharing>

Part 1: Environmental Issues and Media

Please select one of the following movies to watch, they are available on a variety of different platforms. Be sure to watch the movie without distractions. I recommend taking notes of the key points throughout. Once you have completed the movie, be sure to fill out the corresponding worksheet, which can be found in the google folder.

1. Flow: For the Love of Water (Available with Amazon Prime)
2. Vanishing of the Bees (Available on YouTube)
 - <https://www.youtube.com/watch?v=n4ddWBEHlpo>
3. King Corn (Available on YouTube)
 - <https://www.youtube.com/watch?v=TWv29KRrOXU>
4. Cowspiracy (Available on Netflix or Amazon Prime)
5. Chasing Coral (Available on YouTube and Netflix)
 - <https://www.youtube.com/watch?v=aGGBGcjdjXA>

Part 2: Introduction to Environmental Science

Access the google folder to open the first two chapters of our textbook. You will be completing guided notes for the first two chapters. Be sure to use the textbook definitions for the vocabulary and answer all questions using complete sentences.

Part 3: Reviewing the Scientific Method

You will be reading a scientific journal article. The article is linked in the google folder, it is called Saliu et al 2021 (That is the last name of the primary author and the year published). I recommend printing the article and taking notes/highlighting as you read. When reading journal articles, you may need to read through more than once. After reading the article, you will complete a journal summary.

