



USC423H 2024-25 AP Environmental Science Summer Assignment

Welcome to AP environmental science! This fall will begin a fascinating year studying how society obtains food, water, energy, and resources. In doing so, we impact our air, water, and ecosystems and the ability of the Earth to provide those necessities indefinitely. Our journey will also take us through discussions about ecosystems, population dynamics, climate, pollution, waste management, human health, and urbanization. To help you prepare for the year, you will be completing work below that will introduce you to principles of sustainability.

There are two note taking guides with seven videos for you to view and complete. Print the notes. Use the links to the companion videos associated with the notetaking guide. A few tips:

- It would be to your advantage to wait until the last couple of weeks of the summer to complete these. You want information fresh in your head as you come to class in September.
- There is a little more than an hour and a half of videos.
- Write down questions that you have about the material, so you can ask them in class.

NOTES

[The Environment and Sustainability](#)

[Science, Matter, Energy, and Systems](#)

VIDEOS

[1-1 Video: Principles of Sustainability](#)

[1-2 Video: Ecological Footprints and IPAT](#)

[1-3 and 1-4 Video: Environmental Problems, Worldviews, and Sustainable Societies](#)

[2-1 Video: The Nature of Science](#)

[2-2 Video: Chemistry Basics](#)

[2-3 and 2-4 Video: Biology and Physics Basics](#)

[2-5 Video: Systems and Feedback](#)

The completed note taking guides will be submitted to Canvas by the end of the first class of the school year.

Enjoy your summers, and I look forward to a fantastic year of studying sustainability!

Mr. Drougel