



Welcome to AP Environmental Science! You have 2 goals this summer: Review basic Math, Chemistry, Biology and Earth Science skills, and get excited about Environmental Science.

I expect excellence on every assignment, so let's start strong. All work should be either printed or handwritten, and ready to turn in on the first day of school. Please head your paper **AP Environmental Science - Summer Work**. Email me if you have questions heichhorst@gracechristian.net. See you in August!

Step 1: Review what you already know. Please complete the following steps.

1. Learn/review the vocabulary from chapter 1 and 2. You can use these [Quizlets](#) to help you. Most of this vocabulary should be review, but there may be a few new words depending on your previous experience in Chemistry, Biology and Earth Science.
2. You will be required to memorize formulas to help you solve problems on the multiple choice and free response portions of the APES exam. Please use this [Quizlet](#) to start studying. Many of these formulas will be review, but some of them may be new.
3. You will have a quiz on this information during the first week of school.

Step 2: Get excited about the Environment!

1. Please choose 1 book **or** 2 documentaries from the lists below.
2. If you'd like to read/watch something that isn't on the list, please email me for approval.
3. Please answer the following questions about your book/documentaries. Your answers should be detailed, descriptive, and show me what you know. Do not do the bare minimum to answer each question. Answers should be thorough, and show that you put thought and effort into each question. Reference portions of your book/documentaries to support your answers. Your answers can be printed or handwritten.
 - a. Name the book/documentaries you chose, and summarize the main theme or message of the book/documentaries.
 - b. Was your book/documentaries biased, fact-based, or both? How could you tell?
 - c. What is your opinion about the book/documentary?
 - d. What questions do you still have about the book/documentary?
 - e. Relate what you have learned to your personal life – What information affected you the most? Will it impact how you live your life?
4. You will turn in your answers on the first day of class and participate in an in-class discussion.

Books– Most available from our local [Library](#). Wake County Public Libraries also has an [ebook download program](#).

- Omnivore's Dilemma (Pollan, 2007)
- Hot, Flat and Crowded (Friedman, 2009) • Ishmael (Quinn, D)
- Plan B 2.0: Rescuing a Planet Under Stress and a Civilization in Trouble (Brown, 2006)
- Plan B 4.0; Mobilizing to Save Civilization (Sustainability Revised) (Brown, 2009)
- The Origin of Feces (Waltner-Towes, D)

- The Big Necessity (George, R)
- A Civil Action (Harr, 1996)
- The World Without Us (Weisman, A)
- Coal River (Shnayerson, M)
- Weather Makers (Flannery, T)
- Cheap: The high cost of discount culture (Shell, 2009)
- Cradle-to-Cradle: Remaking the Way we Make Things (McDonough & Braumgart)
- Wild Ones (Mooallem, 2013)
- Silent Spring (Carson, 1962)
- A Sand County Almanac (Leopold, 1949),
- Water Wars: Drought, Flood, Folly and the Politics of Thirst (Ward, 2002)
- Cadillac Desert: The American West and its Disappearing Water (Reisner, 1986)
- Beyond Malthus (Brown, 1999)

Documentaries - many can be found on Netflix, Amazon Instant Video, Hulu, YouTube, etc.

- Home – http://www.youtube.com/movie?v=jqxENMKaeCU&feature=mv_sr
- National Geographic: Human Footprint
- National Geographic: Six Degrees Could Change the World
- 180° South
- Flow: For the Love of Water
- Tapped
- Trashed
- Food, Inc.
- King Corn
- Dirt
- Gasland
- Who Killed the Electric Car / Revenge of the Electric Car
- Manufactured Landscapes
- Vanishing of the Bees
- Fresh
- Fuel
- Bag It
- Baraka
- Blue Gold: World Water Wars
- World in Balance: The Population Paradox
- Plastic Planet
- Planet in Peril
- Empty Oceans, Empty Nets (PBS)
- Harvest of Fear (Frontline)
- The Cove
- Hawaii: Message in the Waves
- Cane Toads: An Unnatural History