



## *Welcome to AP Environmental Science!*

22-23 Summer Assignment- Ms Watt

As an Introduction and Preview of the course, you will be watching and analyzing “Chasing Coral” and also reporting on 2 current Environmental issues or events. You will be added to the Team AP Env Sci Summer Assignments where you can access and upload your work.. The descriptions are here below.

If you have any questions/concerns, please message me on Teams! 😎

### **Current Issue/Event:**

Pick and research 2 current Environmental issues or events. You will write a summary of what’s going on, and also your reaction to what is happening. Use and site two sources (for each issue/event) for your information. Make sure to use reputable, unbiased sources. You could start by searching Google News for ideas. Examples of reputable sources would be NY Times, Boston Globe, National Geographic, CNN, NPR, etc.... If you have a question about a source just let me know!

## Chasing Coral:

You can watch this movie on YouTube and also Netflix. Answer the questions below.



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*If the video isn't working, hold the Control Key and then Click. This is the YouTube link. You can also watch it on Netflix.*

Answer 4 of the Questions Below:

- In the last 30 years, we have lost 50 percent of the world's corals. Why don't most people know about coral bleaching?
  - Climate change is affecting many different parts of our world. List all the ways climate change is affecting our lives.
  - What does time-lapse photography provide to the project that two single-framed (still) photos cannot verify?
  - Is coral a plant or an animal? Explain why.
  - Why is it important to continue to document coral bleaching?
  - What are the challenges to photographing under water?
  - Why do coral reefs matter? What is coral's niche (job)?
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Answer 3 of the questions below:

- Why is the state of our oceans hard to convey to the general public?
- Discuss the implications of coral bleaching at a local, regional, and global level.
- Our oceans are warming up to the point where species are at the brink of extinction. What needs to change with government policies and consumer habits to fix the problem?
- What is the correlation between ocean warming and CO<sub>2</sub> emissions? How are ocean temperatures and CO<sub>2</sub> emissions related?)
- How are these time-lapse photos so historically important?
- What role do the media play in the climate change issue?

**AFTER THE VIDEO.**

**Quote Analysis**

**Step 1:** Choose a quote to analyze and circle it.

- I. "One of the biggest issues with the oceans is it is completely out of sight and out of mind and that essentially is an advertising issue." Richard Vevers, underwater photographer, XL Catlin Seaview Survey
- II. "This is the most beautiful transformation in nature, the incredible beautiful phase of death." Richard Vevers
- III. "I thought we would find bleaching and I thought we would capture it, but I don't think I ever prepared myself or thought we would see this." Zack Rago
- IV. "When scientists say they're researching climate change and coral reefs, it's not about whether or not climate change is happening or not. It's really the uncertainty between knowing whether it's going to be bad or really bad." Professor Ove Hoegh-Guldberg, coral reef biologist

**Step 2:** Answer the following questions about your chosen quote.

1. What is your initial reaction to the quote? (How did it make you feel? What are your own thoughts?)
  
2. What is the author saying about the environment?
  
3. How does the quote relate to everyday people?
  
4. How could this quote be used to make government policy changes or to make environmental regulations?

**Overall Thoughts and Reflections:**

What did you think of the movie? Did you like it? Why/why not?