

Name _____



Dear future AP Environmental Science student,

Welcome to APES! (AP Environmental Science) You are about to embark upon one of the coolest areas of science, and a personal passion of mine. I hope that you will have an enjoyable and restful summer to become rejuvenated for another school year. Over the summer, you have an assignment to do to prepare you for APES. The assignment is attached and covers topics/places we will be discussing throughout next year. This assignment will be graded and it is expected you bring it with you **completed on the first day of class**. This is a great opportunity to start the year off strong, and come to class prepared. The more you stay on top of your assignments in this class, the better prepared you'll be, the easier your workload will be, the more you'll get out of this class, and the more fun you'll end up having.

During the summer if you have any questions about the course or the summer assignment, do not hesitate to get in touch with me. My email address is dnoplos@aacps.org. I look forward to meeting you and teaching you in the fall!

Namaste,

Mr. Noplos



Summer Assignment Checklist

To stay organized, check each box as you complete each task.

Part One: World Map

- World Orientation (4 tasks)
- Environmental Hot Spots (10 locations)
- Biomes (9 total)

Part Two: Environmental Hot Spot Research

- 10 total descriptions (3 parts to each)

Part Three: Developed vs. Developing Countries

- 4 questions total

Part One: World Map

I. World Orientation (2 pts each task)

- Highlight the **equator** in red
- Plot the **Ring of Fire** in red
- Label the 7 continents
- Label the 5 oceans

II. Environmental Hot Spots (1 pt each)

Identify the following places on your map:

- | | |
|---------------------|---------------------------------|
| 1. Chesapeake Bay | 6. Three Mile Island |
| 2. ANWR | 7. Yucca Mountain Storage Site |
| 3. Three Gorges Dam | 8. Love Canal |
| 4. Aral Sea | 9. Prince William Sound, Alaska |
| 5. Chernobyl | 10. James Bay, Quebec |

Feel free to label your map however you'd like. I've seen students draw arrows from the names to the locations, some students have created keys, numbered the locations, etc. Whatever is easiest for you, as long as all 10 hot spots' locations are clearly identified.

III. Part C- Biomes (2 pts for each correctly labeled biome)

Research where the following biomes are found in the world. **Using a different colored pencil for each biome**, shade where you would find each biome on the world map. **Create a key.**

- | | |
|------------------------|----------------|
| 1. Arctic Tundra | 6. Desert |
| 2. Taiga/Boreal forest | 7. Rainforest |
| 3. Coniferous forest | 8. Savanna |
| 4. Deciduous forest | 9. Coral reefs |
| 5. Grassland | |

World Map Scoring Rubric (I'll fill this out)

Part	Points Received	Points Possible	Feedback
A: Orientation		8	
B: Hot Spots		10	
C: Biomes		18	
TOTAL PTS		36	

Part Two: Environmental Hot Spots

1. Chesapeake Bay

What is it? What connection does it have with the environment? What are the concerns?

2. ANWR

What is it? What connection does it have with the environment? What are the concerns?

3. Three Gorges Dam

What is it? What connection does it have with the environment? What are the concerns?

4. Aral Sea

What is it? What connection does it have with the environment? What are the concerns?

5. Chernobyl

What is it? What connection does it have with the environment? What are the concerns?

6. Three Mile Island

What is it? What connection does it have with the environment? What are the concerns?

7. Yucca Mountain Storage Site

What is it? What connection does it have with the environment? What are the concerns?

8. Love Canal

What is it? What connection does it have with the environment? What are the concerns?

9. Prince William Sound, Alaska

What is it? What connection does it have with the environment? What are the concerns?

10. James Bay, Quebec

What is it? What connection does it have with the environment? What are the concerns?

Part Three: Developed vs. Developing Countries

Use the following countries when the questions on this page ask you to provide examples:

- China
- United States
- Germany
- India
- Spain
- Argentina
- Ghana
- Japan
- Australia
- Dominican Republic
- Iraq
- Canada

1. What does it mean if a country is considered **developed**?

2. Examples include:

3. What does it mean if a country is considered **developing**?

4. Examples include:
