



Name: _____

Hear from Chief Scientist of The Everglades Foundation:
Nutrient Pollution in the Everglades

Florida is vulnerable to algae blooms, leaving our Everglades ecosystem and economy in trouble. High concentrations of nutrient pollution in the Everglades have environmental, social and health, and economic impacts.

Directions: Use this link and watch the video: [Hear from the Chief Scientist](#) of The Everglades Foundation to learn more about nutrient pollution in the Everglades. Follow along with the video by using this [Guided Note-Taking Sheet](#) (attached below).

Standards: SC.8.N.4.1, SC.912.L.17.13, SC.912.L.17.16, SC.912.L.17.18, SC.912.N.4.1

Everglades Literacy Lesson Connections:

Grades 9-12: The Heart of a Watershed

<https://www.evergladesliteracy.org/9th-12th-our-watershed>

--In small groups, students build a landscape model to illustrate the uniqueness of the Kissimmee-Lake Okeechobee-Everglades (K-O-E) watershed, and then modify the model to demonstrate how alterations have affected the K-O-E watershed.

Grades 9-12: Water Use and Society

<https://www.evergladesliteracy.org/9th-12th-water-use-and-society>

--Students will learn about the common usage of water, water quantity, and water quality.



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Guided Note-Taking Sheet for Research Methods Understand Phosphorus in the Everglades

Name: _____

Guided Questions

Write response directly across from the question in your notes

Notes (Responses to Guided Questions)

Write responses to guided questions here. Take sufficient notes with selective and accurate paraphrasing to answer guided questions.

Suggested Guidelines:

- Include headings and key points
- Skip a line between ideas and topics
- Use bulleted lists and abbreviations
- Correctly sequence information

Research Methods to Understand Phosphorous in the Everglades

What is the Everglades?	
What pollutant is harming the Everglades?	
List 4 effects of exceeding 10ppb of Phosphorus in the Marsh?	
Where does this Phosphorus rich water travel from and where does it end up?	
What is the benefit to pinpointing Phosphorus "hotspots"?	
What is one way to treat excess Phosphorus?	

What are the steps that Dr. Naja's team takes to analyze the water from the Everglades Agricultural Area?

1. _____
2. _____
3. _____
4. _____
5. _____

What is one way to treat excess Phosphorus.

Who is the person in the video? Where are they from? What is their specialty?

