



Article Guide: Harmful Algae Bloom Lingering in Southern Florida

<http://scienceovereverything.com/2018/08/28/algae-bloom-florida/>

Part 1:

Directions:

- Read the entire article “Harmful Algae Bloom Lingering in Southern Florida” to yourself
 - Box vocabulary words or words that you have not seen before
 - Underline in the text where the focus questions are addressed
- Answer each focus question

Focus questions

1. What are the two different types of algae blooms that are happening in Florida?

2. What kind of toxins are given off by algae? Why are they so harmful to humans and wildlife?

3. How has the algae blooms affected the marine ecosystem? What kind of species have died due to the blooms?

Part 2:

Directions:

- Read each understanding question
 - Think about what you would need to know to answer that question
- Read the article a second time with a partner.
 - Answer each understanding question

Understanding questions

1. How are the two algae blooms different and how are they similar would a lower level of dissolved oxygen in the water hurt an ecosystem?

2. With algae blooms killing off large mammals and sharks, what could be an ecological side effect of less of these animals in the ecosystem??

Part 3:

Directions:

- Read the article a final time as a class.
- Discuss as a large group how you would address the extension question
 - Write a response to the extension question

Extension Question

Imagine you work for the United States Department of Agriculture, which regulates what farms can do with their crops and land. Propose a law that would protect rivers and streams from runoff pollution, but still allow farmers to make enough money.
