

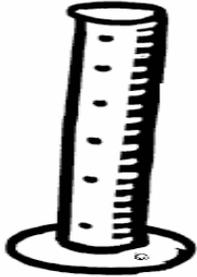


# “...But Not a Drop to Drink.”

LAB CRAWL 2007

WATER QUALITY ACTIVITY

Summer 2007



Graduated cylinder

The quality of the water in Florida is a concern that should be shared by all its citizens and is a

## “...But Not a Drop to Drink.” Water Quality Activity

frequent topic of material for the news.

Two of the more important tests that are regularly performed on local waterways are the dissolved oxygen and the nutrients in wa-

ter test. These factors are a huge influence on the amount and types of organisms that will flourish, and then in turn, influence the health of the water way.

### MATERIALS

- LAMOTTE WATER QUALITY KITS (DISSOLVED OXYGEN AND NUTRIENTS IN WATER)

### Activity Directions

These kits are designed to be used with a minimum amount of practice, but please look over the provided directions carefully. Additionally, there are some potentially hazardous situations that could arise if the kits are not used or

stored correctly. Please refer to the provided directions AND to the online MSDS sheets ([www.magnet.fsu.edu/education/teachers/development/workshops.aspx](http://www.magnet.fsu.edu/education/teachers/development/workshops.aspx)) for more detailed safety information.

While the ultimate goal of these water kits is to test the health of natural waterways, these tests can also be performed on water found at your school (drinking fountain,



### S.S.S. Science Addressed:

- SC.A. 1.3
- SC.D. 1.3  
2.3
- SC.F. 1.3
- SC.G. 1.3  
2.3
- SC.H. 1.3  
2.3  
3.3

## Water Quality Data Table:

Location	Dissolved Oxygen (ppm)	Phosphates (ppm)	Nitrates (ppm)	Healthy System (1 = good, 10 = bad)
A:				
B:				
C:				
D:				

## Conclusion Questions:

1. Which of the tested ecosystems would be the healthiest if you were a fish? Why?
2. Would you keep any of the water from the ecosystems you tested from emptying into Wakulla Springs? Why?