



Written by: Judith Swift

Sea World  
500 Sea World Drive  
San Diego, CA 92109-7995

phone: (800) 23-SHAMU  
TDD: (800) TD-SHAMU  
fax: (619) 226-3634  
website: www.seaworld.org

**Cost:**

K-3 Teacher's Guide \$4.00 + s&h  
4-8 Teacher's Guide \$4.00 + s&h

---

## SUBJECTS

---

Language Arts  
Science

# Water:

## Teacher's Guide



### IN A NUTSHELL

These two guides contain activities designed to introduce students to the chemical and physical properties of water, and to the importance of water to people. The activities deal with water's molecular structure, heat conductivity, buoyancy, and ability to dissolve toxins. Through laboratory experiments and other research, students examine salinity, the movement of water in soil and through plants, water pressure, how animals deal with salt water, and the amount of water used in their own households. Although the guides are similar in structure and organization, each contains unique activities for its given age group.

Each includes a vocabulary list, objectives, a poster of the water cycle, background information on water's chemistry, and a list of additional resources. Illustrations consist of photographs, drawings, maps, and charts. Some extension activities are suggested.

<b>Grade Level</b>
K-3, 4-8
<b>Length</b>
24 pages each
<b>Date Published</b>
1995

THE BOTTOM  
LINE

"Good, basic information and water-related experiments for teachers."

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Encourages different perspectives. Provides up to date information. Seems to be factually accurate.	Does not provide references for specific facts. Does not always provide all relevant information.
	Depth	Covers molecular to global significance of water.	Weak connection between concepts and facts.
	Emphasis on Skills Building	Provides some opportunities for creative thinking. Activities encourage learners to arrive at their own conclusions.	Experiments are weak in terms of analytical thinking.
	Action Orientation	N o t A p p l i c a b l e.	
	Instructional Soundness	Includes some outdoor activities. Lists goals for unit and for individual activities. Provides pre- and post-tests.	Does not specify learner outcomes. Material is minimally interdisciplinary. Some of the K-3 activities may not be age-appropriate.
	Usability	Very readable. Step by step instructions presented logically.	Background information may be insufficient.

"This material will be valuable for some, but probably is too basic for trained science teachers."

"A nice set of introductory water materials."