



Building Block

Chemistry

Chlorine Can Bring Chemistry to Life & Building Blocks of Our World: Chlorine



IN A NUTSHELL

Chlorine Chemistry Council
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Cost: No Charge

SUBJECTS

Health

Science

Material reviewed included *Building Blocks of Our World: Chlorine*, a six minute videotape, and *Chlorine Can Bring Chemistry to Life*, consisting of two reprinted articles about chlorine, a black and white poster chart showing chlorine chemistry and uses, and both teacher and student materials for a two-day unit on chlorine. The course aims to teach awareness of chlorine in the students' world, and to give students a chance to experiment with different chlorine compounds to determine common properties. The material presents chlorine, along with eleven other key elements, as one of the "building blocks" which make up all other compounds and molecules. Two of the activities give students the opportunity to observe chemical reactions and involve the use of microscopes, thermometers and test tubes. Teacher materials include a statement of objectives, safety notes, teaching strategies, data table, background and answers to questions.

Grade Level
9-12

Length
12 pages

Date Published
1993/94

THE BOTTOM
LINE

"Good instruction and support material."

"If one were to use this material, one would have to supplement materials on hazards of chlorine."

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Accurate information on chlorine chemistry and uses of chlorine in everyday life.	Does not address possible negative aspects of chlorine.
	Depth	Touches on health and economic contexts for study of chlorine. Encourages awareness of chlorine in daily products.	Video says too little about chlorine chemistry and misses opportunity to use graphics and film to explain chemical properties.
	Emphasis on Skills Building	Demonstrates use of chlorine in chemical testing.	Does not encourage students to compare, contrast, or analyze.
	Action Orientation	N o t A p p l i c a b l e.	
	Instructional Soundness	Makes connections to everyday lives. Module uses variety of activities: video, poster, discussion, lecture, lab activity.	
	Usability	Materials are concise, logical, easy to use, long-lived. Provides instruction and support material for teacher. Can be adapted to an existing unit.	

“No open-minded person doubts the usefulness of chlorine compounds. But there are risks associated with their use, too. Admit it - bring it out - discuss it and let the students decide.”