



# Ozone Layer Educator's Guide



## IN A NUTSHELL

United States  
Environmental Protection Agency  
Office of Air and Radiation

National Center for  
Environmental Publications  
& Information  
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Cincinnati, OH 45452  
Reference # 6205J

phone: (800) 490-9198  
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**Cost:** No Charge

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## SUBJECTS

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Health  
Fine Arts  
Language Arts  
Mathematics  
Science

This collection of information on the depletion of the ozone layer is designed to give educators scientific background on the issue as well as an assortment of activities to help students understand the problem and its significance. The guide consists of several reprinted scientific articles about the ozone layer and the dangers associated with ozone depletion, eight student investigations, a poster developed by NASA featuring additional classroom activities, supporting documents, and a list of educator resources. The investigations and lesson plans address the nature and structure of gases, model construction, reading scientific data and literature, and conducting experiments about the atmosphere. As the materials and experiments are collected from different sources, their complexity and organization vary. Lessons are targeted to young students as well as older and more sophisticated audiences.

**Grade Level**  
H.S.-Adult

**Length**  
82 pages

**Date Published**  
1995

**THE** BOTTOM  
L I N E

"Provides extensive background, but not comprehensive on all issues pertaining to ozone depletion."

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Material is research-based and strong on scientific data.	Does not lend itself to inquiry.
	Depth	Provides a comprehensive analysis of issue, addressing personal, local, and global ramifications.	
	Emphasis on Skills Building	Makes use of critical thinking and reading skills. Applies skills to a particular issue.	
	Action Orientation	N o t A p p l i c a b l e.	
	Instructional Soundness	Makes use of a variety of instructional methods. Connects to learners' everyday lives.	Limited use of experiential learning approaches. Lends itself to individual instruction.
	Usability	Poster is user-friendly. Provides an abundance of background information.	Most useful to those with a strong science background. Inconsistency of material format can be a drawback.

"A mix of resources, not packaged to appeal to the typical teacher unless knowledgeable about the scientific and technical content."

"Vitaly important information."