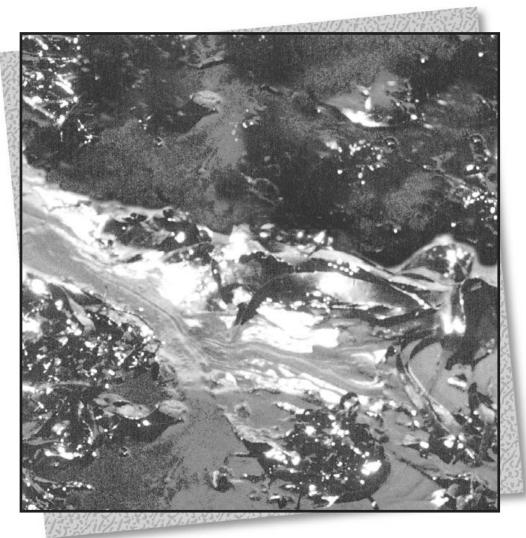


PORTALS PLUS

ACTIVITIES ACROSS THE CURRICULUM

Oil Spills! The Perils of Petroleum

JANE DUDEN AND SUSAN WALKER



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TABLE OF CONTENTS

About the Story
About the Author
How Much Oil?
What's the Word?
Oil and Water
Big Spills
Oil in the News
Artistic Expressions
How Much Cargo Space?
A Point of View
The Valdez Principles



TABLE OF CONTENTS continued

\sim			

A Family Plan	. 18
Critical Thinking and Science Links: making decisions about recycling efforts	
Where Is OPEC?	. 19
Opposing Sides	. 21
Creative Thinking	. 22
Oil Spills Puzzler	. 24
Environmentally Friendly Art	. 26
Research Questions	. 27
Finding Answers	. 28
True or False?	. 29
Answer Kev	. 30





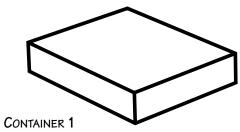
HOW MUCH CARGO SPACE?



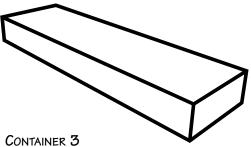
Volume means how much a container holds. The formula below tells you how to find the volume of a container.

VOLUME = LENGTH X WIDTH X HEIGHT

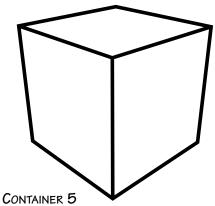
Find the volume of each of the containers below. Show your work inside the container. And remember, volume is expressed in cubic feet.



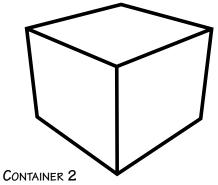
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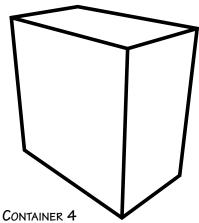
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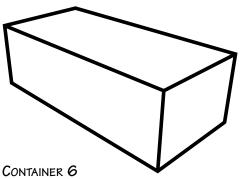
Length = 10'; width = 10'; height = 10'



LENGTH = 25'; WIDTH = 25'; HEIGHT = 20'



LENGTH = 35'; WIDTH = 20'; HEIGHT = 35'



Length = 28'; width = 13'; height = 9'



Name	
Hanne	

A POINT OF VIEW



An oil spill is a disaster—no matter how you look at it. Most people agree with that. But each person has unique attitudes and ideas about every situation. These ideas are based upon his or her own life experiences. That's called a *point of view*.

Select a point of view from the list below. Then, from that viewpoint, imagine that you are involved with the *Exxon*

Valdez spill. Write a description of your feelings and actions during the spill and the resulting cleanup.



Point of View 1: Alaskan commercial fisherman

Point of View 2: Member of the Exxon Valdez crew

Point of View 3: Employee of Exxon sent to assist with cleanup

Point of View 4: Elderly Inuit

Point of View 5: Alaskan who worked on the pipeline

Point of View 6: Alaskan school child

Point of View 7: Sea otter or another animal caught in the oil spill

I chose Point of View	
My feelings and actions during the spill	l and the resulting cleanup:
)	



Name _____

WHERE IS OPEC?



You now know that OPEC is a group of countries known as the Organization of Petroleum Exporting Countries. The nations that belong to OPEC are listed below. On the world map that follows, color all OPEC countries yellow. Then use the map and an atlas to answer the questions.

OPEC Nations

Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, United Arab Emirates, Venezuela



Questions

10. When oil is transported from Saudi Arabia to Russia, is it more likely to be transported by

water or by land? Why? _____



Name _____

OPPOSING SIDES



Scientists believe that there is a lot of oil under the ice near the Arctic National Wildlife Refuge (ANWR). Some people think this oil deposit should be tapped. Then it could be used to meet the energy needs of the United States. They suggest building a pipeline to carry the oil to southern Alaska. There it could be shipped to refineries.

Others think it would be a mistake to build such a pipeline. They say that it might harm the environment. Or

that there might someday be an oil spill that would pollute the land and water.

Think about both sides of the argument. On the left side of the chart below, write reasons why a pipeline is a good idea. On the right side, write reasons why it is a bad idea.

Α	pipeline	is	а	aood	idea	because			
<i>/</i> \	Pipellile	15	a	you	IUCA	recause	•	•	•

A pipeline is a bad idea because . . .

Now look at what you have written. Decide how you feel about the pipeline. Then explain your thoughts on another sheet.

And Furthermore . . .

Find someone who disagrees with you. Discuss the issue with that person.