

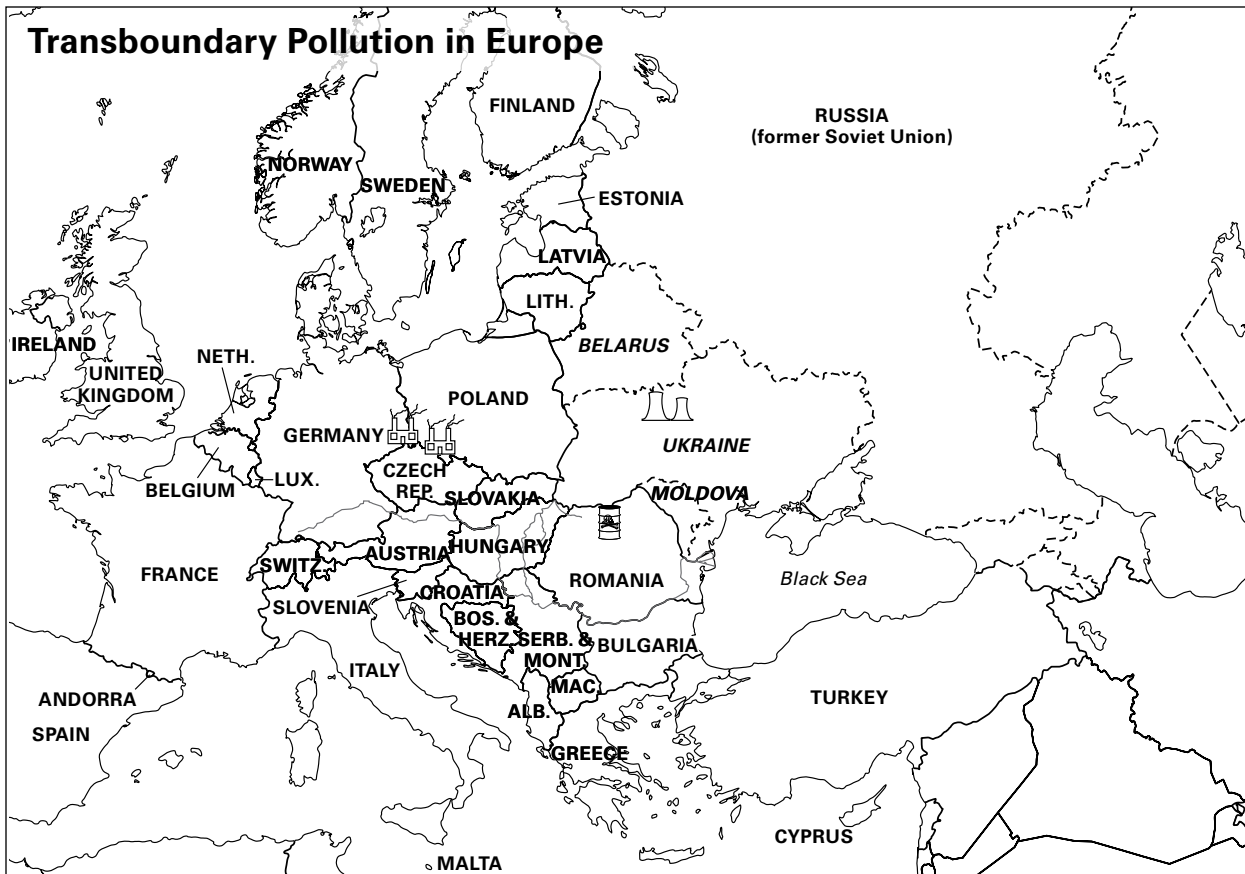
Read Sections 1 and 2. Then create an illustrated dictionary of the Geoterms by completing these tasks:

- Create a symbol or an illustration to represent each term.
- Write a definition of each term in your own words.
- Write a sentence that includes the term and the word *Europe*.

<b>Geoterm and Symbol</b>	<b>Definition</b>	<b>Sentence</b>
acid rain		
nuclear radiation		
river system		
transboundary pollution		

### 3 The Chernobyl Radiation Accident

As you read Section 3, complete the map below.



#### Human Error Creates a Deadly Radiation Leak

On the map, color the source of the radioactive pollution. Underline the name of the country where it is located. Then complete this sentence:

*Chernobyl became a source of radioactive pollution when...*

#### The Radioactive Cloud Spreads Across Europe

Look at the maps your teacher is projecting. Shade your map to show the spread of radioactive pollution. Circle the names of two countries that were affected by the pollution. Then complete this sentence:

*One effect of the spread of radioactive pollution across borders was...*

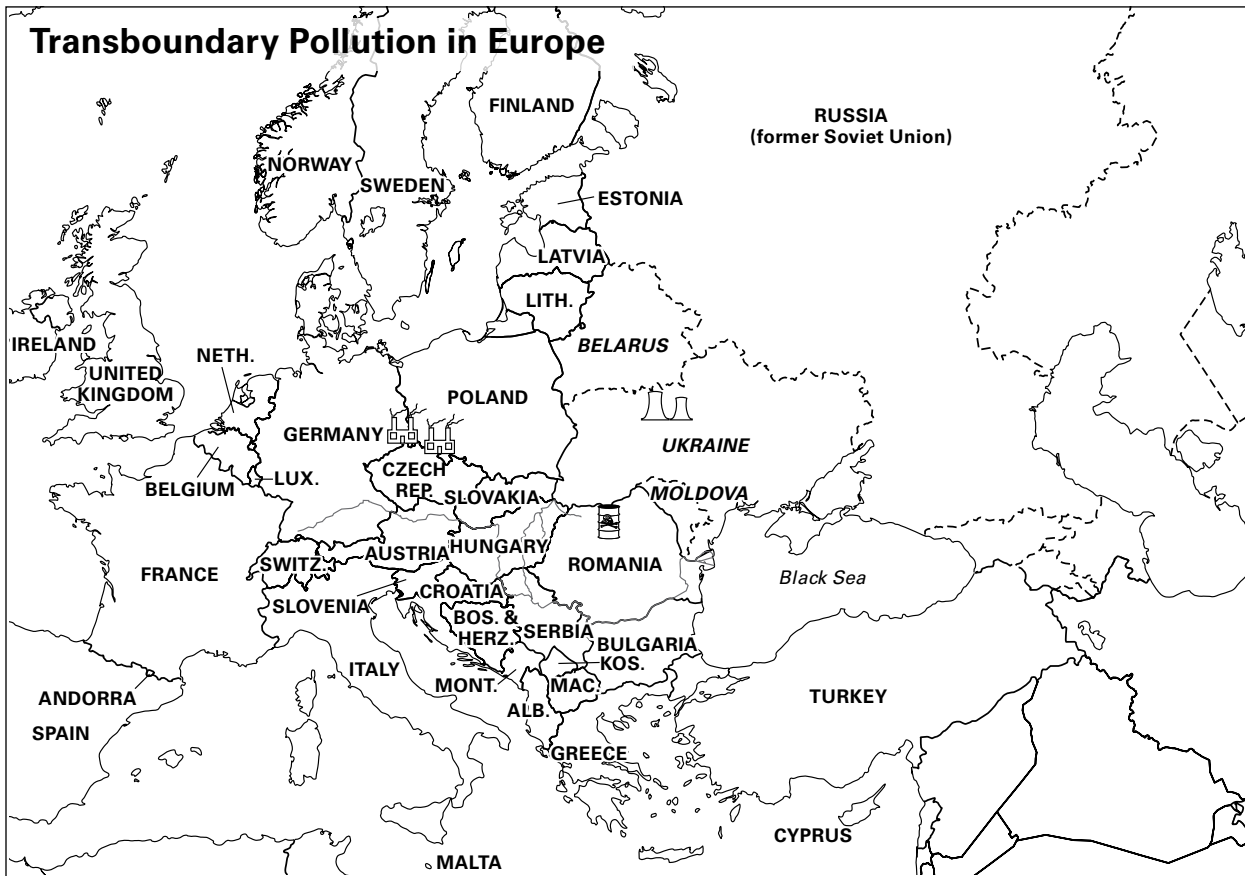
#### Efforts to Reduce Radioactive Pollution

On the map, draw one effort to reduce radioactive pollution. Then complete this sentence:

*\_\_\_\_\_ help to reduce radioactive pollution by...*

## 4 The “Black Triangle” and Acid Rain

As you read Section 4, complete the map below.



### Soot from Factories Creates Acid Rain

On the map, color the source of the acid rain. Underline the names of the countries where it is located. Then complete this sentence:

*The Black Triangle became a source of acid rain when...*

### Air Pollution Brings Acid Rain to Other Countries

Look at the map your teacher is projecting. Shade your map to show the pattern of acid rain. Circle the names of two countries affected by acid rain. Then complete this sentence:

*One consequence of the spread of acid rain across borders is...*

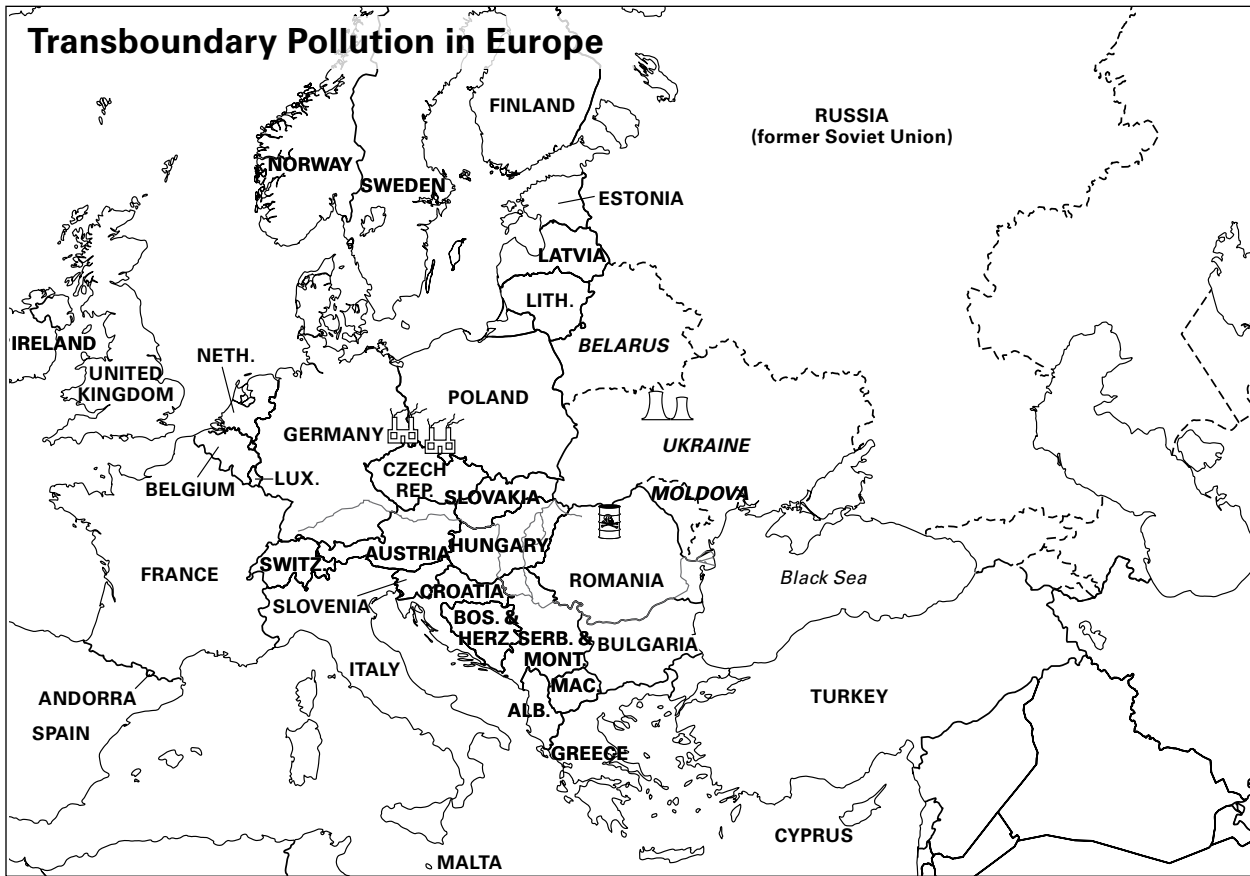
### Efforts to Reduce Acid Rain

On the map, draw one effort to reduce acid rain. Then complete this sentence:

\_\_\_\_\_ *help to reduce acid rain by...*

## 5 The Tisza-Danube Cyanide Spill

As you read Section 5, complete the map below.



### A Burst Dam Releases Deadly Chemicals

On the map, color the source of the water pollution.

Underline the name of the country where it is located.

Then complete this sentence:

*Accidental water pollution occurred when...*

### Cyanide Flows into the Danube River System

Look at the map your teacher is projecting. Shade your map to show the spread of the water pollution. Circle the names of two countries most affected by the pollution.

Then complete this sentence:

*One consequence of the spread of water pollution across borders was...*

### Efforts to Reduce Water Pollution

On the map, draw one effort to reduce water pollution.

Then complete this sentence:

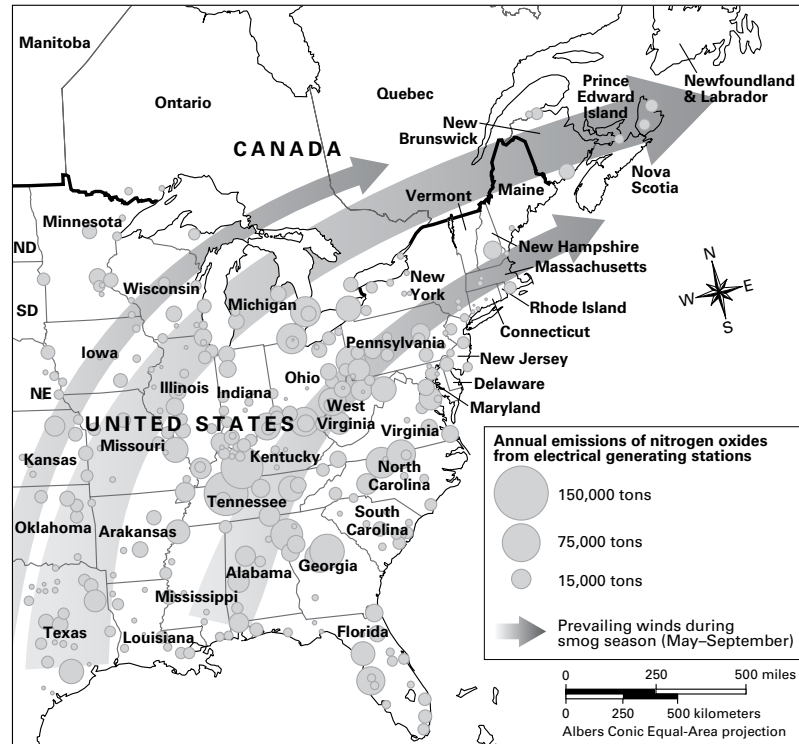
\_\_\_\_\_ *help to reduce water pollution by...*

Read about another example of transboundary pollution below. Then follow the directions to complete the map.

### Invisible Borders in North America

The map shows how smog spreads across eastern North America. Smog is caused by the burning of fossil fuels in cars, trucks, power plants, and factories. The chemicals produced combine with sunlight to create smog. Smog lowers air quality. It also leads to breathing problems for some people. In Canada, smog season lasts from May to September. As the map shows, much of the smog in Canada comes from the United States.

### Smog in Eastern North America



Source: Canadian Geographic Magazine.

1. Draw a box around the area that is the largest source of the smog. Underline the names of six main states where it is located. Then complete this sentence:

*Smog is caused by...*

2. Look at the wind arrows on the map. Shade where you think most of the pollution will spread. Circle the names of four Canadian provinces that will be most affected. Then complete this sentence:

*One consequence of smog spreading across borders is...*

3. On the map, draw one possible solution to smog. Then complete this sentence:

\_\_\_\_\_ could help reduce smog by...