

## Understanding Cause and Effect

Issue	Cause	Effect
Acid rain	factory smoke, SO <sub>2</sub> , vehicle emissions	kill plants, marine life, erodes statues
Air pollution/ Smog	factory smoke, SO <sub>2</sub> , vehicle emissions	asthma, pneumonia, respiratory disease
Pollution of Lakes	industrial waste, raw sewage dumped in the water	people don't have access to clean drinking water
Nuclear Disaster	nuclear reactor exploded	radiation contaminated the land; cancer & disease
Deforestation/ Logging	cut trees down for cattle ranching, farming, houses	less oxygen, wildlife loses habitat
Extraction of natural resources	mining can cause air pollution and water pollution	vegetation and wildlife near the mining sites can die

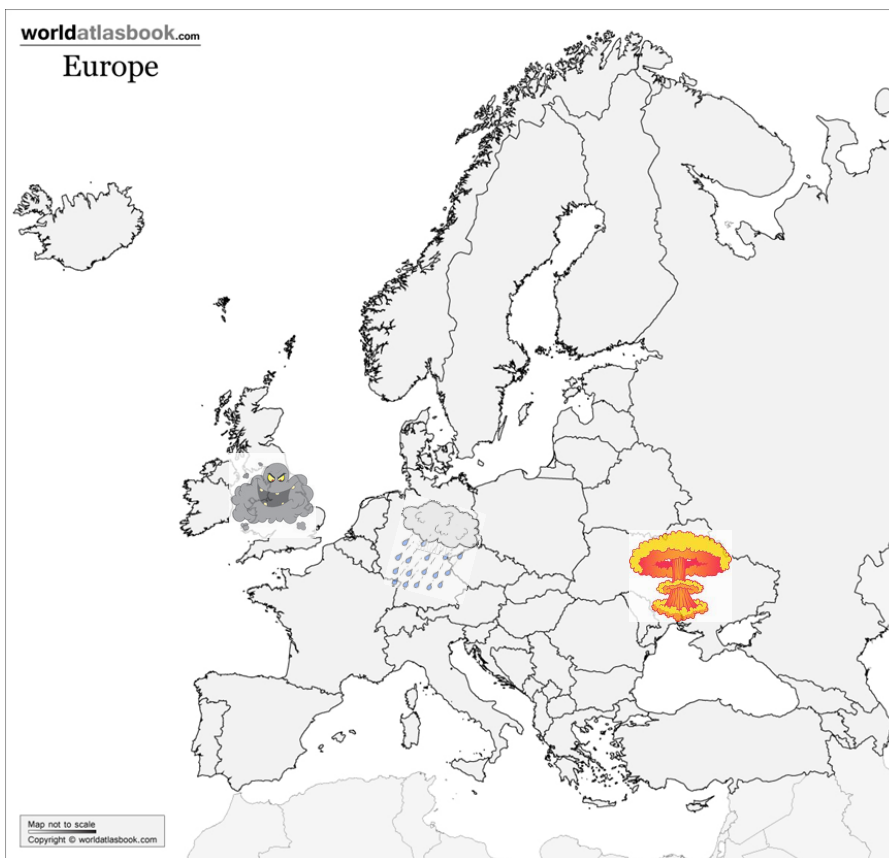
# Environmental Issues in Europe



## Environmental Issues in Europe:

1. Identify Germany on the map. Draw acid rain falling in Germany.
2. Identify the United Kingdom. Draw smog in the U.K.
3. Identify Ukraine on the map. Draw an explosion on Ukraine to represent the nuclear disaster that happened at the Chernobyl nuclear power plant.

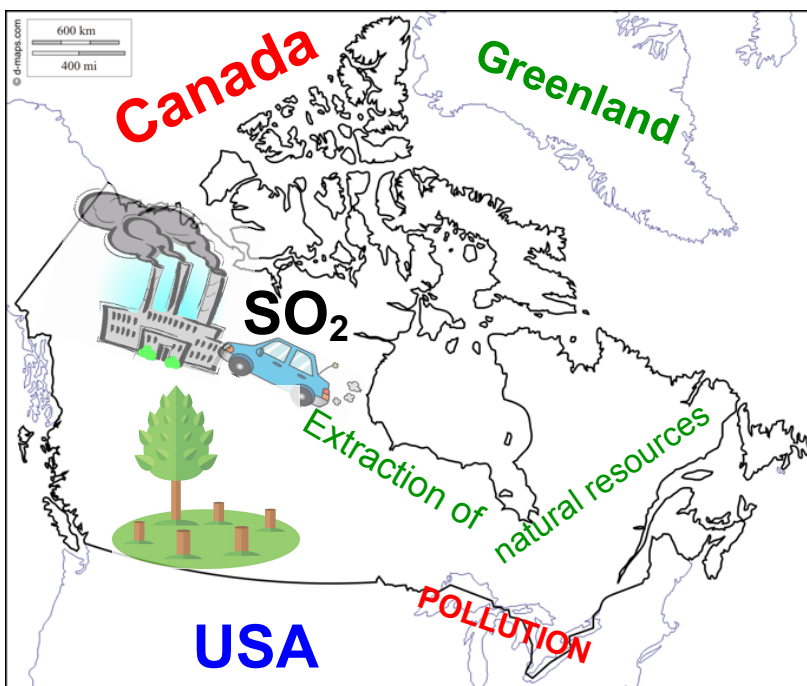
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## Environmental Issues in Canada



### Environmental Issues in Canada:

1. Draw factories, cars and write SO<sub>2</sub> in Canada to illustrate the causes of acid rain.
2. Write "POLLUTION" across the Great Lakes.
3. Write "Extraction of Natural Resources" across the Canadian Shield
4. Draw trees being cut down in Canada to represent the timber industry.

## Environmental Issues in Latin America



### Environmental Issues in Latin America:

1. Identify Mexico on the map. Draw factories and cars in Mexico to illustrate the causes of air pollution.
2. Identify Venezuela on the map. Draw an oil barrel on Venezuela.
3. Identify Brazil on the map. Draw a soy farm and cattle (cows) in Brazil to illustrate why trees are being cut down in the Amazon Rainforest.

## Environmental Issues in Latin America



**\*Remember:** Mexico City is the capital of Mexico.

1. It is an urban area and therefore has a dense population
2. The location of the city is surrounded by the Sierra Madre Mountains, which traps pollution
3. In Mexico City, environmental laws are not strictly enforced

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## Environmental Issues Vocabulary

Fill in the blanks using the following words: *\*click blanks to reveal answers\**

*environment, cause, effect, extraction, pollution, acid rain, mining, nuclear power, deforestation, timber*

1. pollution – dangerous substances that can harm or poison air, land or water
2. effect – the consequence of an action; what happens as a result of an action
3. environment – the natural world: land, air, and water
4. cause -- an action that makes something else happen
5. extraction – the action of taking out something, especially using effort or force
6. nuclear power --electric or motive power generated by a nuclear reactor
7. timber – wood prepared for use in building and carpentry
8. mining -- the process or industry of obtaining coal or other minerals from a mine
9. deforestation – the clearing of trees, transforming a forest into cleared land
10. acid rain --precipitation that contains dangerous chemicals because of smoke from cars and factories and causes environmental harm to forests, lakes and marine life

**Read the description and circle either cause or effect:**

11. Vehicle emissions are a(n) ( cause effect ) of air pollution and acid rain.
12. Cancer is a(n) ( cause effect ) of radiation exposure from the Chernobyl nuclear explosion.
13. Major cities having unsafe drinking water is a(n) ( cause effect ) of water pollution in the Great Lakes.
14. Cattle ranching is a(n) (cause effect ) of deforestation in the Amazon Rainforest.
15. Respiratory infection is a(n) ( cause effect ) of air pollution.
16. Marine life dying in Venezuela's lakes and oceans is a(n) ( cause effect ) of oil pollution.
17. Factory smoke is a(n) (cause effect ) of air pollution and acid rain.
18. A nuclear reactor exploded which is a(n) (cause effect ) of the Chernobyl nuclear explosion.
19. Water pollution near mining sites is a(n) ( cause effect ) of the extraction process in the Canadian Shield.
20. Sulfur dioxide, SO<sub>2</sub> is a(n) (cause effect ) of air pollution and acid rain.