

# Closed Notes: Latin America



Objective: The student will explain the major concerns in Latin America regarding issues of air pollution in Mexico City, destruction of the rainforest in Brazil, and oil-related pollution in Venezuela in order to discuss how these issues impact the economy, and well being of citizens living in the region.

## Air Pollution in Mexico City

The problem: \_\_\_\_\_ is known as one of the world's \_\_\_\_\_ areas of air pollution. The air is so bad that children are more likely to have breathing problems and develop lung disease when they grow up. Older adults must stay indoors and limit activity. On most days, the \_\_\_\_\_, polluted sky blocks the view to the mountains.



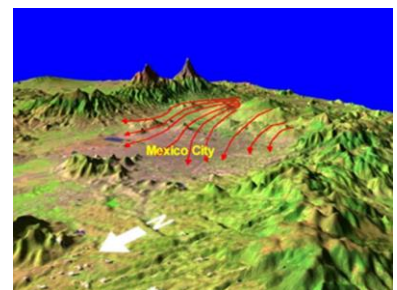
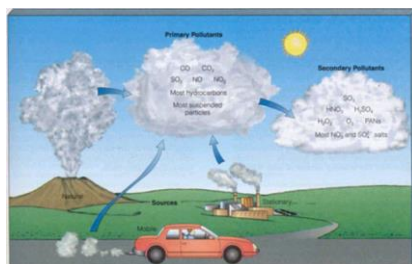
## Causes of Air Pollution in Mexico City

\_\_\_\_\_ - 19+million people – more than \_\_\_\_\_ the population of the entire state of GA!

\_\_\_\_\_ – thousands of factories

Vehicle emissions – over \_\_\_\_\_ cars

\_\_\_\_\_ - Mexico City has most of its wind currents blocked by surrounding hills and mountains. Therefore, air pollution/smog (smoke/fog) sometimes can't be blown out of the area for days...sometimes weeks!



# Effects of Air Pollution in Mexico City

Damage to \_\_\_\_\_

Harm to \_\_\_\_\_ (depletion of ozone layer)

\_\_\_\_\_ to human beings (causes illness and disease)

Causes \_\_\_\_\_ rain (damages ancient monuments)

## The Role of the Mexican Government

Drivers must \_\_\_\_\_ their cars at home one day each week

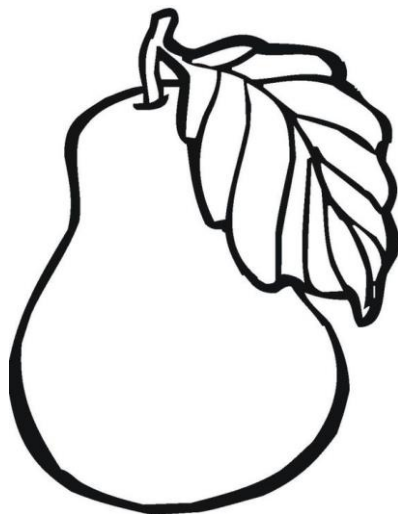
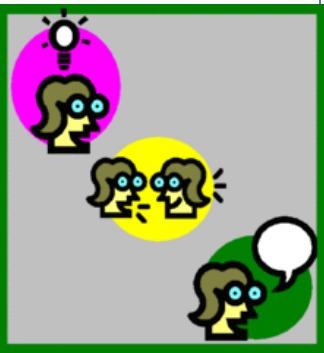
Citizens are encouraged to ride buses and trains or carpool to work

Cars are \_\_\_\_\_ more often

On days of highest pollution levels, certain \_\_\_\_\_ may be closed



## Think-Pair-Share

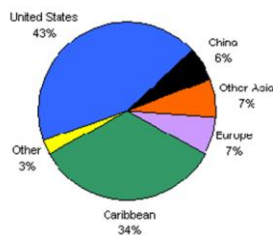


What impact does, closing factories, and limiting drivers have on how people are able to make money and feed their families?

## Oil-Related Pollution in Venezuela

The problem \_\_\_\_\_ is one of the \_\_\_\_\_ producers of oil and natural gas in the world. The \_\_\_\_\_ from oil sales accounts for about half the money received by the \_\_\_\_\_ of Venezuela. The production of oil and natural gas has come at a cost. Along the Caribbean Sea, Venezuela's coast has become \_\_\_\_\_ with oil. Oil spills and tanker leaks have \_\_\_\_\_ the environment and have negatively affected Lake Maracaibo.

Venezuelan Crude Oil Exports by Destination, 2010



Source: EIA, APEX Database, FACTS Global Energy

## Effects of Oil-Related Pollution

- Water pollution
- Air pollution
- \_\_\_\_\_ levels of cancer, skin problems, breathing problems, and digestive tract problems
- \_\_\_\_\_ Waste
- Occasional oil spills
- Burns highest amount of carbon dioxide in L. America – contributes \_\_\_\_\_ warm



## The Role of the Venezuelan Government

In Venezuela, the discovery of oil brought new \_\_\_\_\_ to the government. The same government that is supposed \_\_\_\_\_ oil pollution and clean up. Venezuela's state oil company is working to clean up its oil pits and has adopted an environmental policy to focus more closely on environmental protection

Video Break... take notes



What if?????????

What if you found oil in your backyard, but you knew it was going to damage the environment, would you drill for it?

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## Destruction of the Rainforest in Brazil

The problem: The Amazon Rainforest is home to more than \_\_\_\_\_ different kinds of plants and thousands of types of animals. The rainforest is known as \_\_\_\_\_” because they convert carbon dioxide into valuable \_\_\_\_\_. This beautiful and important environment is threatened by \_\_\_\_\_. Many Brazilians live in poor conditions. One way the people \_\_\_\_\_ is to clear large areas of the forest – deforestation. In the past ten years, nearly 200, 000 square miles of rainforest have been lost due to clearing the land for other economic uses.

### Causes of Destruction of Rainforest in Brazil

- Road building
- Slash and burn farming – soybean farms
- Cattle ranching
- Logging
- Mining
- New settlements to alleviate overcrowding in urban areas

### Effects of Destruction of the Rainforest

- Disrupting way of life for native populations that depend on the forest
- Loss of habitat for millions of species
- Climate change – global warming



## The Role of the Brazilian Government

- The \_\_\_\_\_ has created laws to control the amount of forest that is cut down BUT little money is spent enforcing those laws
- \_\_\_\_\_ groups are working with Brazil's government to find ways to save the rain forests



Do you think the rainforest was destroyed to build venues for the 2016 Olympics in Brazil?

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