

# Environmental Issues of Latin America

SS6G2

# Warm-Up 1/27/2017

- Write in your agenda.
- How can air pollution be limited/solved?  
Give at least 2 examples, writing in complete sentences.

# Air Pollution of Mexico City

- Smog: Factory smoke + car exhaust + sunlight/heat creates an air polluted thick cloud (fog)



# Air Pollution in Mexico City

- Largest Environmental Concern
  - Mexico City has bad SMOG issues
  - Air is thin, hot, dry, and without wind, so the smog is trapped and low to the ground

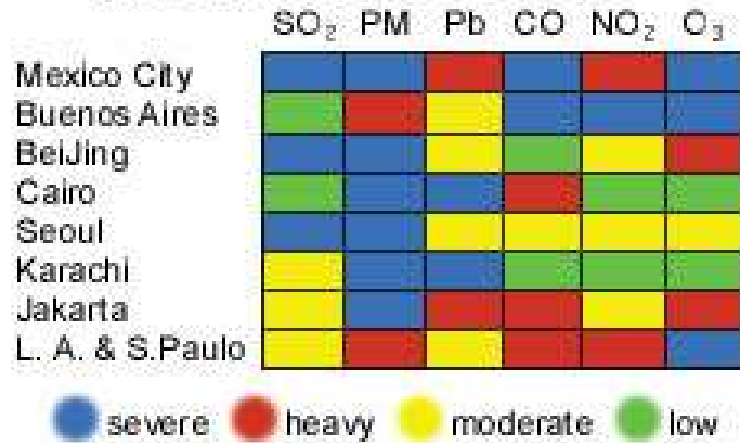


# Air Pollution of Mexico City

- Real-Life Situation:

Latin America has a statistic of the most unhealthy People in Mexico City for breathing problems and lung disease.

## Most Polluted Cities



# Air Pollution of Mexico City

- Causes:

- The mountains trap the air flow in
- Near Equator (in tropics) -> so intense heat and sunlight
- Thousands of factories creating pollution
- Limited \$; low economy
- Relaxed government enforcing laws

low GDP

high population  
lots of cars



# Air Pollution of Mexico City

- Effects:
  - Breathing problems and lifelong diseases
    - High medical costs
    - High infant mortality rate
  - Contaminated/poor quality agriculture
    - Seafood, plants, etc. = lowered economic stand
  - Acid Rain
    - And its natural effects on everything
  - Limited outside activity (especially with kids)
  - Companies limited by laws from government



# Air Pollution in Mexico City

- Solutions:

- Can't drive 1 day a week (different for e
- Factories sometimes forced to close
- Public transportation and riding bikes
- Required emissions testing yearly
- Cleaner fuels/cars encouraged





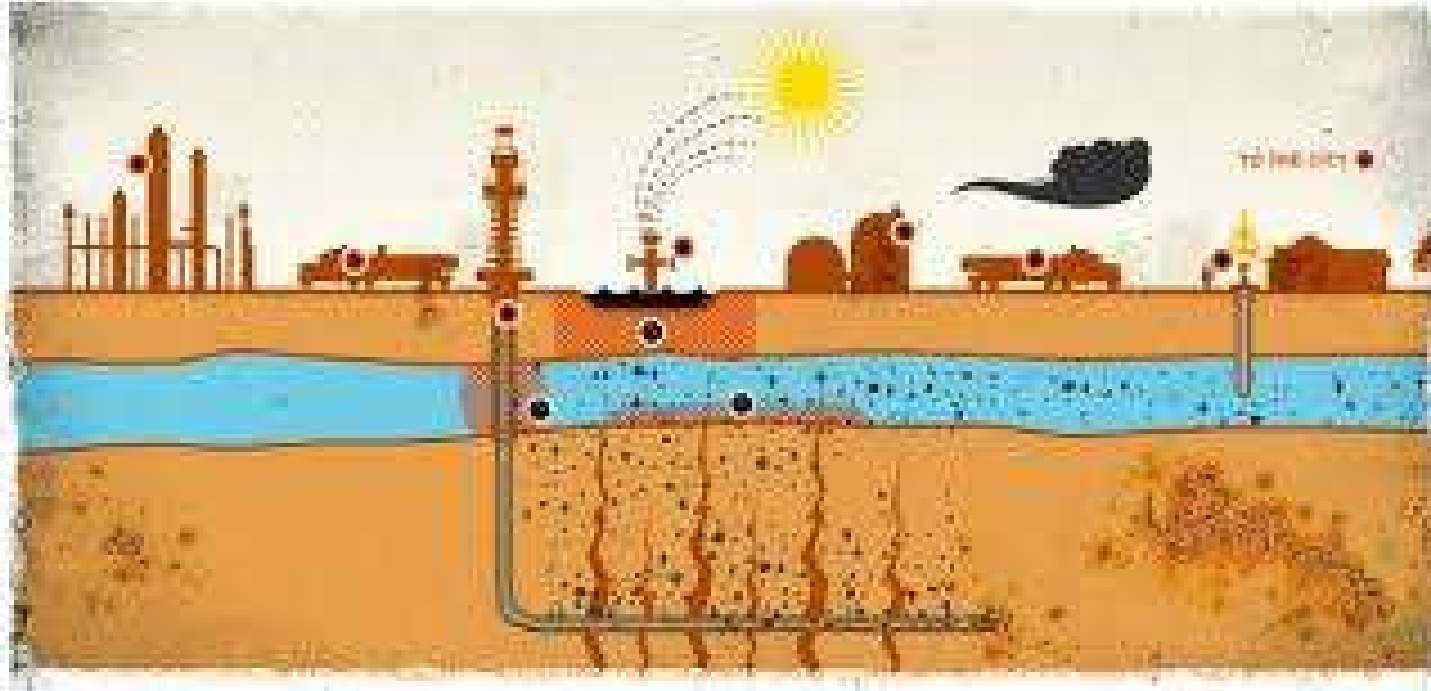
Can you think of any time in US history where there was an oil spill?

What did that oil spill do to the environment?

What could have been done to prevent that oil spill from happening?

# Oil-Related Pollution in Venezuela

- Fracking/Hydro-Fracking: horizontal (sideways) drilling into the soil/rock. Very deep wells. Creates a pipe to safely suction the oil/gas out to the surface. It's safe and contained so to prevent spills and gasses in the air



# Oil Pollution in Venezuela

- Largest Environmental Concern:
  - Big oil companies are run by the government (public businesses) and fueled by money, instead of safety
  - Overproduction and unsafe conditions



# Oil Pollution in Venezuela

- Real-Life Example:
  - Under Chavez' presidency, the number of oil related deaths and spills rose. So he replaced the oil company workers with loyalists (people who only care about what Chavez wants)
  - Because of major spills, people go without water or it is contaminated
    - 2012: 550,000 people without water for months



# Oil-Related Pollution in Venezuela

- Problem:
  - Oil pollution and carbon dioxide in the air and water. Caribbean Sea and Venezuela's coast polluted with oil.





# Oil-Related Pollution in Venezuela

- Causes:
  - Huge demand for oil (can't slow down or stop extraction).
    - Needed \$ for economy (50% of Venezuela's GDP)
    - 5<sup>th</sup> largest exporter of oil
  - Oil spills and tanker leaks
  - Newly hired workers and managers may not be well educated
  - Machines are old and not reliable



# Oil Pollution in Venezuela

- Effects:

- Contaminates water for people, animals, and plants (food)
- Starts fires
- Expensive to clean up and takes a long time
- Human deaths due to accidents
- Socialist Party politics running oil



# Warm-Up 1/30/2017

1. Write in your agenda.
2. Complete this slide in your notes from Friday.

## Oil Pollution in Venezuela

- Solutions:
  - Decrease the need for oil (demand from other countries-even the USA)
  - Increase environmental protection laws
  - Hold oil companies responsible for decisions and spills

