



AIR POLLUTION

NISHIT MEHRA

WHAT IS IT??

- Any visible or invisible particle or gas found in the air that is not part of the original, normal composition.



TYPES OF AIR POLLUTION

- Natural: forest fires, dust
- Unnatural: man-made; coal, wood and other fuels used in cars, homes, and factories for energy



HOW IS AIR POLLUTION MEASURED?

- **AQI: Air Quality Index**
- Indicates whether pollutant levels in air may cause health concerns.
- Ranges from 0 (least concern) to 500 (greatest concern)

AQI Category	Index Values
Good	0 - 50
Moderate	51 - 100
Unhealthy for Sensitive Groups	101 - 150
Unhealthy	151 - 200
Very Unhealthy	201 - 300
Hazardous	301 - 400
	401 - 500

THE MAJOR POLLUTANTS

- **1.) Carbon Monoxide**
- **2.) Sulfur Dioxide**
- **3.) Nitrogen Dioxide**
- **4.) Particulate Matter**
- **5.) Ground Level Ozone**

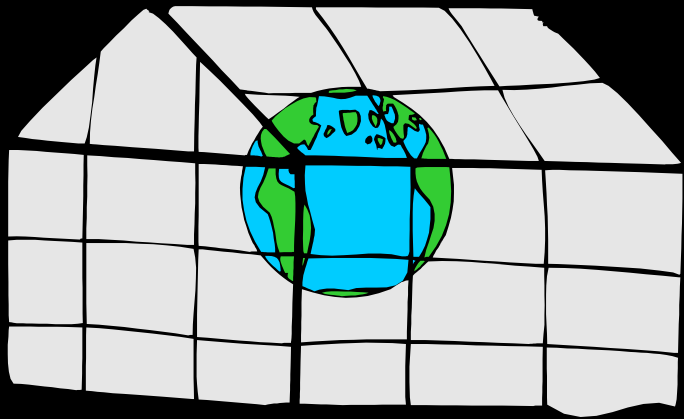
RESULTS OF MAJOR POLLUTANTS

- SMOG
- Combination of gases with water vapor and dust
 - Combination of words smoke and fog
 - Forms when heat and sunlight react gases (photochemical smog)
 - Occurs often with heavy traffic, high temperatures, and calm winds

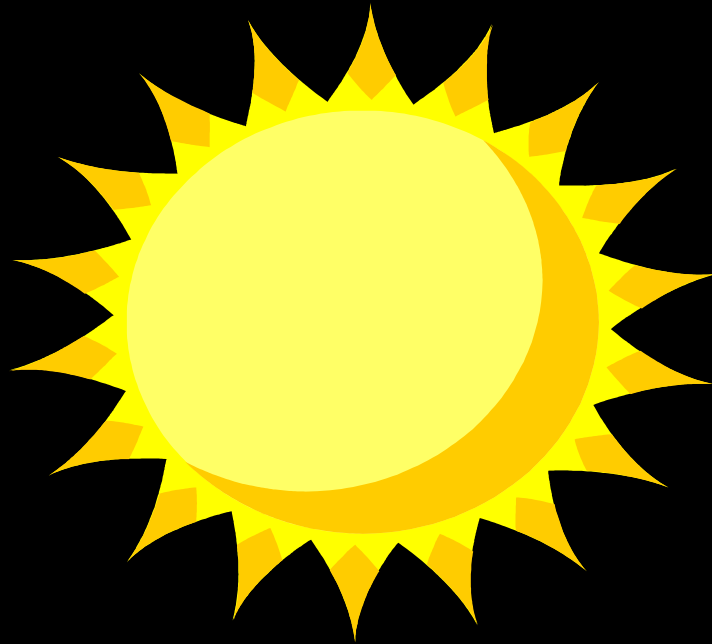
EFFECTS

- Limits visibility
- Decreases UV radiation
- Yellow/black color over cities
- Causes respiratory problems and bronchial related deaths

OTHER MAJOR EFFECTS



Greenhouse effect




Global warming



Acid rain

WHAT SHOULD WE DO TO ?

- Conserve energy – remember to turn off lights, computers, and electric appliances when not in use.
- Use energy efficient light bulbs and appliances.
- Participate in your local utility's energy conservation programs.
- Limit driving by carpooling, using public transportation, biking and walking.
- Combine errands for fewer trips.
- Keep your automobile well tuned and maintained. Follow the manufacturer's instructions on routine maintenance, such as changing the oil and filters, and checking tire pressure and wheel alignment.

- 
- Use water-based or solvent free paints whenever possible and buy products that say "low VOC".
 - Seal containers of household cleaners, workshop chemicals and solvents, and garden chemicals to prevent volatile organic compounds from evaporating into the air.
 - Purchase and use low-polluting outboard marine engines and personal watercraft (4-stroke and direct fuel injection 2-stroke outboard marine engines).
 - Advocate for emission reductions from power plants and more stringent national vehicle emission standards.

PLEASE ACT UPON IT BEFORE ITS TOO LATE AND
MAKE THIS PLANET A BETTER PLACE TO LIVE

