Air Pollution Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Any visible or \_\_\_\_\_\_\_\_\_\_\_\_\_\_ particle or gas found in the air that is not part of the original or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ composition.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_: forest fires, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , dust storm.

Unnatural: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; coal, wood and other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ used in cars, homes, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_for energy

HOW IS IT MEASURED?

AQI: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*Indicates whether \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ levels in air may cause health concerns.

\* Range from 0 (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) to \_\_\_\_\_\_\_\_\_\_\_ (greatest concern)

5 Major Pollutants

1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Nitrogen Dioxide

4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Ground Level Ozone

Carbon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Colorless, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Produced when \_\_\_\_\_\_\_\_\_\_\_\_\_\_ does not burn in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fuel
* Present in car \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Deprives body of O2 causing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, fatigue, and impaired \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sulfur \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Produced when \_\_\_\_\_\_\_\_\_\_\_\_\_ and fuel oil are burned
* Present in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ exhaust
* Narrows the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, causing wheezing and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of breath, especially in those with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nitrogen Dioxide

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, brown gas
* Produced when nitric oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with oxygen in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Present in car \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and power plants
* Affects lungs and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wheezing; increases chance of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ infection

Particulate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Particles of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sizes and structure that are released into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Present in many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ including fossil fuel, \_\_\_\_\_\_\_\_\_\_\_\_\_ smoke, fog, ets.
* Can build up in respiratory \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Aggravates heart and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ disease; increasing risk of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ infection

Ground Level \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* At upper level, ozone shields \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from sun’s harmful \_\_\_\_\_\_\_\_\_\_\_ rays
* At ground level, ozone is harmful \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Formed from \_\_\_\_\_\_\_\_\_\_\_\_\_\_, power and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ plant exhaust
* Irritate respiratory system and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; reduces lung function by inflaming and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ lining of lungs

These 5 together form…….

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Combination of gassed and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vapor and dust
* Combination of words \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Forms when heat and sunlight \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gases (photochemical smog)
* Occurs often with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ traffic, high temperatures, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_winds

Its effects……

* 1st smog related \_\_\_\_\_\_\_\_\_\_\_\_\_ were in London in \_\_\_\_\_\_\_\_\_\_\_\_\_: death toll 500 people; can you imagine how much \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the atmosphere is \_\_\_\_\_\_\_\_\_\_\_\_\_\_?!
* Limits \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Decreases UV \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Yellow / black color over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Causes respiratory \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and bronchial related deaths

The other problems……

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Effect

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_warming

Thinning of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ozone layer

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rain

Indoor Air \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

We only have one world….

Do you want it like this?