**Air Pollution Name:**

1. **Make two charts of the** [1970 – 2002 Air Pollution Data](http://home.lcusd.net/lchs/mewoldsen/APES/Unit12/Air_pollution_1970-2002.xls)**. Save each chart below. Then make a line graph for each chart. There should be five lines on each graph. (Remember time – years – always goes on the X-axis.)**
   1. **One chart using the raw data – information is given to you**

**Insert Raw Data Chart Here**

* 1. **One chart as percentage of 1970 value with all pollution data**

**Insert Percentage Chart Here**

* 1. **One line graph using the raw data chart**

**Insert Raw Data Line Graph Here**

* 1. **One line graph using the Percentage chart**

**Insert Percentage Graph Here**

* 1. **Fill in the following chart using the following website:** EPA’s [Six Common Air Pollutants](http://www.epa.gov/airquality/urbanair/) (<http://www.epa.gov/airquality/urbanair/>)\*

\*To find VOCs, go to the Air & Radiation Home page and then to Air Pollutants; scroll down to find VOCs

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Describe items below | **Carbon Monoxide** | **Lead** | **Nitrogen Oxides** | **Ozone** | **Particulate Matter** | **Sulfur Dioxide** | **VOCs** |
| Source |  |  |  |  |  |  |  |
| **Health Effects** |  |  |  |  |  |  |  |
| **Environmental Effects** |  |  |  |  |  |  |  |
| **1970 – 2002 Trend – Your Graph** |  |  |  |  |  |  |  |
| **EPA Air Quality National Trend** |  |  |  |  |  |  |  |
| **Local Trend & Comparison to National Standard\*\*** |  |  |  |  |  |  |  |

\*\*Use the locations closest to the center of Marion County.