Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Coal power plant calculations procedure:**

1. Go to the following website: <http://www.eia.gov/beta/state/?sid=PA#tabs-3>
2. Click on “Map legend”
3. Identify the legend for coal fired power plant.
4. Locate at least 5 coal fired plants in state of Pennsylvania
5. Move mouse to the legend of the plant.
6. Record plant electrical production number
7. Calculate how much coal power plant is using by dividing total output by 2,460 kwh/ton. This gives you how much coal is burn in an hour.
8. Find out how much coal is burn annually. For your calculation is 285 days in year plant is operating.
9. Calculate total coal burned for all plants.

**Major pollutants calculation:**

Annually 500 mWh coal fired power plant emits the following amount of three major pollutants:

Sulfur Dioxide: 12,000 tons

Nitrogen oxide: 14,000 tons

Carbon Dioxide: 3,700,000 tons

Calculate how much of each of above pollutant five plants emit annually.