|  |  |
| --- | --- |
| PHSC 1014 | Activity SheetNuclear Capstone |

Name:

Calculator website: http://esa21.kennesaw.edu/activities/nukecapstone/nukecapstonecalculator.htm

|  |  |  |
| --- | --- | --- |
| Appliance | Power (W) | Avg. Use (Hrs./week) |
| Average light bulbs |  |  |
| Washing machine |  |  Your EmissionsU.S. FranceCO2 \_\_\_\_\_ lbs \_\_\_\_\_lbsSO2 \_\_\_\_\_ lbs \_\_\_\_\_lbsNOx \_\_\_\_\_ lbs \_\_\_\_\_lbs |
| Dryer |  |  |
| Dishwasher |  |  |
| Stove |  |  |
| Air conditioner |  |  |
| Heater |  |  |
| Refrigerator |  |  |
| Hot water heater |  |  |
| Television |  |  |
| Microwave |  |  |
| Stereo |  |  |
| Computer |  |  |
| Miscellaneous |  |  |

1. How large is the difference between your emissions in the U.S. and what they would be if we had the same energy profile as France?

2. One way to minimize your emissions is to use high efficiency appliances that use less energy. A list

 of these appliances can be found at the Energy Star website (<http://www.energystar.gov/>). Use this

 website to “replace” the three largest energy users in your home with more efficient appliances and

 recalculate your emissions.

|  |  |  |
| --- | --- | --- |
| Appliance | Old Power Rating | New Power Rating |
|  |  |  |
|  |  |  |
|  |  |  |

 How does your new level of emissions compare to what your original emissions would have been if

 we had an energy profile similar to France? Are you willing to spend the money to purchase such

 appliances?