**Practice – Energy Sources**

*Complete the following by making a 1 page poster that meets all of the criteria listed below. You will need to do some research on the internet for this assignment.*

**Objectives**

(You pick what goes in the blanks from the list of energy sources at the bottom of this page)

1. Sell America on an alternative energy source by persuading America to:
* Move away from investing in \_\_\_\_\_\_\_\_\_\_\_\_ common energy source.
* Instead invest in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ alternative energy source.

**Must Include:**

* Description of common energy source (written in own words!).
* Energy chain that describes how energy is stored and transferred in/from this common energy source.
* Description of alternative energy source (written in own words!).
* Specifics on how energy is stored and transferred in/from this alternative energy source.
* Data on efficiency of relative efficiency of you alternative source as compared to the common source.
* Environmental impact advantages of your alternative energy source over the common source.
* Explanation of why your energy source is not currently more common in America/world (probably related to cost, political, social, material, time and/or technological limitations). Include data (numbers) here as well.

**Common Energy Sources to Pick From**

|  |  |  |
| --- | --- | --- |
| Natural Gas | Oil | Nuclear |
| Coal | Wood | Hydroelectric |

**Alternative Energy Sources to Pick From**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Wind | Hydroelectric | Geothermal | Tidal | Solar |
| Wave | Nuclear Fusion | Nuclear Fission |  |  |

Biofuels, such as…

|  |  |  |  |
| --- | --- | --- | --- |
| Vegetable Oil | Soy | Corn | Sugar cane |
| Genetically engineered ? | Livestock poo | Algae | Etc… |

|  |
| --- |
| Something of your choice that is not mentioned here but meets the criteria |