

Alternative Energy Project Earth/Environmental Science

Part 1:

You will create a power point presentation on various alternative energies.

For each one listed you must include the following information (1-2 slides per form of energy but please be careful of overcrowding the slide with tiny print):

- Definition or explanation of what it is
- Whether it is renewable or nonrenewable
- At least one advantage AND one disadvantage
- The best example of where it is used in the U.S. (bonus points if your example is located in NC) AND why this location is ideal
- At least one picture

The alternative forms are energies you will research are as follows:

- | | |
|-------------------------|----------------------|
| 1. Fossil Fuels | 5. Solar Energy |
| 2. Nuclear Energy | 6. Wind Energy |
| 3. Hydroelectric Energy | 7. Geothermal Energy |
| 4. Tidal Energy | 8. Biomass |

Part 2:

You will write a letter to your U.S. Senator or Representative (in Washington, DC) about the development of an alternative fuel/energy source in North Carolina. Choose ONE (1) alternate source that would be ideal for use and for the manufacturing of in NC. Make a well supported case for the funding and implementation of this source. You will use the information you gathered in part 1 to compose this letter. Use business letter format as follows:

Date

Your Name

Your Home Address

Your City, State, Zip Code

Senator/Representative's Name

Address (in Washington, DC)

City, State, Zip

Dear Senator (or Representative) _____:

(Your **first paragraph** must address why you are writing the letter and who you are.)

(Your **second and third paragraphs** will list reasons why this development would be a good idea. Remember to include issues of economics, the environment, and society, as well as information you gathered from part 1 of this project.)

(Your **fourth paragraph** will conclude/wrap up the letter with pleasantries and a final push to convince them to develop your chosen source of energy.)

Sincerely,

(Your name)

Grading:

Power Point -

_____/10 Fossil Fuels

_____/10 Solar Energy

_____/10 Nuclear Energy

_____/10 Wind Energy

_____/10 Hydroelectric Energy

_____/10 Geothermal Energy

_____/10 Tidal Energy

_____/10 Biomass

Part 1 total points ____/80

Letter –

Part 2 total points ____/20

Final Grade ____/100

