Topic Points of Interest

1. What materials are used to generate the energy?
2. Where do you get the product from?
3. What are the waste products?
4. How is it used to generate electricity? (explain how a coal-fired power plant works)
5. What are the limitations/dangers of this?
6. What are the positive aspects of it?
7. What is keeping this energy source back (why are we setting up lots of new coal power plants)?
8. What countries use coal power?
9. Are there any big coal projects in the works? (in the USA or abroad)
10. What states in the USA are big coal producers?
11. Politically speaking, what is the opinion of coal throughout the USA compared to that of coal producing states?

Collect as much of the following as possible:

1. Photographs (which have to be cited)
2. Diagrams/Charts/Graphs/Flow charts
3. **Stories of people who are working with this resource/form of energy/efficient product** so you can integrate this into your presentation.
Methane
Tuesday, January 27, 2015  12:55 PM

Topic Points of Interest

1. What materials are used to generate the energy?
2. Where do you get the product from?
3. What are the waste products?
4. How is it used to generate electricity? (explain how a methane-fired power plant works)
5. What are the limitations/dangers of this?
6. What are the positive aspects of it?
7. Is there anything keeping this energy source back (why are we setting up lots of new methane power plants)?
8. What countries use lots of methane?
9. Are there any big methane projects in the works? (in the USA or abroad)
10. What states in the USA are big methane producers?
11. Politically speaking, what is the opinion of methane production throughout the USA compared to that of methane producing states?

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Wind Energy

-what materials are used to generate it?
-what are the (limitations/ dangers)
-Along with dangers, are there any health effects from this?
-what are the positive aspects
-How does it work? (in depth)
-How can you generate electricity with this?
-What is keeping this energy from being very widespread?
-What countries are most involved in this energy type?
-Are there any big projects in the works?
-Where are some large scale wind farms and how much energy do they produce?
-Does the government help pay for it?
-Are there any reason these are not widespread?

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This topic is on solar panels, not just solar energy.

- When was the first solar panel made?
- What materials are used in manufacturing these products?
- Costs for buying these products.
- What are the limitations?
- What are the positive aspects of using this?
- How does it work? In other words, the science behind making a product and getting electricity from it.
- What does it take the place of?
- Can I buy these products anywhere?
- Does the government help pay for them?
- Why isn't everyone using it?
- Where should they be placed on a house?
- Can they work on cloudy days?

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Incandescent Bulbs vs. Efficient Bulbs

What is an incandescent bulb?
What is a CFL bulb?
What is an LED?
What are the advantages of each type?
What are disadvantages of each?
Why change from one type to another?
How does each type of bulb work?
How much do each cost?
How long do they last?
How much do they cost to keep turned on?

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Biofuels (Bioethanol/Flex and Biodiesel)

-what is a biofuel?
-What type of plants do they commonly use to make it the two different types?
-benefits of using biofuels?
-limitations and the dangers of it?
-How do biofuels change the environment?
-How is it processed?
-why is the USA using it?
-How is it harming other countries and the economy?
-What is the monetary cost and land cost of using it?
-Why is it considered a renewable resource?
-Does the government help pay for it (subsidize it)?

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   so you can integrate this into your presentation.