Name_____

Per._____

Fossil Fuel and Alternative Fuel Internet Activity

Use the internet as a tool to find out these things about fossil fuels and alternative fuels.

1. **Start by going to http://www.doe.gov. This is the department of energy website. Click on Science and Innovation, then Energy Sources, then Fossil Fuel, then coal. What does the caption under picture say about coal? Next open another webpage and search for the Energy Information Administration, type in Electricity generation by source into the search box and click it the first link. What is the percentage breakdown of electricity by source (all the bullet points)?**

2. **Go back to the department of energy site again, then click on Science and Innovation, then energy sources, then Clean Energy. What are four alternative fuels to fossil fuels?**

3. **Click back, then on Fossil, then click on Oil, then on Petroleum Reserves, then on Strategic Petroleum Reserves. What is the Strategic Petroleum Reserve?**

4. **Suggest two reason why we might need an emergency supply of oil?**

5. **Scroll down and click on the link SPR storage sites. Where and how are the Strategic Petroleum Reserve stored (explain in detail).**

6. **How were the salt caverns produced?**

7. **Click, back and then on the Current Inventory link. How much oil in barrels does the U.S. have in reserve in millions of barrels?**

8. **Click back until you get to the Fossil page, then type in the search icon at the top U.S. Domestic Oil Production. Click on the first link and read the paragraphs. By 2035 How much will our oil imports decrease by? Why is that important?**

9. **Click back to the fossil page and find out what the main use is for**

   Coal _____

   Oil_____

   Now do Google searches for the rest of the questions.

   Natural Gas_____

10. **Explain how coal forms.**

11. **What are the top 4 Natural gas producing states in the United States?**

12. **What are the benefits of geothermal energy?**

13. **What is hydroelectric energy and how does it work?**

14. **What are the top four countries in terms of production of hydroelectric power?**

15. **How do Photovoltaic cells work (solar energy)?**

16. **In your opinion what kind of energy should we be using in the future and why?**