

Name: \_\_\_\_\_ Per: \_\_\_\_\_

## FOSSIL FUELS & ENERGY WEBQUEST

**What Is Energy?** [http://www.eia.gov/energyexplained/index.cfm?page=about\\_home](http://www.eia.gov/energyexplained/index.cfm?page=about_home) Energy is: \_\_\_\_

---

Renewable energy:

Nonrenewable energy:

List 5 sources of renewable energy:

List 3 sources of nonrenewable energy:

How do “fossil fuels” get their name?

Look at the pie chart on this page. What are the 3 biggest sources of energy in order (from most consumed to least)?

**What Are The Options?** <http://www.world-nuclear.org/nuclear-basics/electricity-generation-what-are-the-options.aspx>

For many decades, almost all the electricity consumed in the world was generated from \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

How does a fossil fuel power plant produce electricity?

What is the main benefit of using fossil fuels to generate electricity?

What are some problems with using fossil fuels?

What are some benefits of using renewable energy (renewables) to generate electricity?

What are some problems with using renewables?

## **Where Fossil Fuels Come From & Fossil Fuels 101**

[https://www.eia.gov/energyexplained/index.cfm?page=nonrenewable\\_home](https://www.eia.gov/energyexplained/index.cfm?page=nonrenewable_home)

<https://www.youtube.com/watch?v=zaXBVYr9Ijo>

Describe how each type of fossil fuel below is (1) formed, (2) extracted, (3) where it is found. (Note: You may need to click through the left-hand menu on the first link.)

Coal:

Oil:

Natural Gas:

**Nuclear Power** <https://www.youtube.com/watch?v=rcOFV4y5z8c\>

When did the interest in nuclear power begin?

Why did the interest in nuclear power begin to fade?

What happened in the 1970s that created a much larger demand for nuclear power?

Briefly explain what happens in a nuclear fission reactions of a light water reactor.

What 3 nuclear power plants sparked continued public safety concerns?

Currently, what is the percentage of the world's electricity that is generated by nuclear power?