

Energy; Environmental Consequences

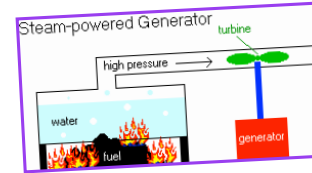
Cecelia Baez, Fire Stream

Types Of Energy(1)

Fossil Fuels: Gas

They Are The Most Popular with energy creation, but also very dangerous for they cause pollution into the environment

- Petroleum
- ** - Coal
- * - Natural Gas



Good:

- Inexpensive
- Easily Distributed

Bad:

- Cause of Acid Rain
- Partial Cause to Global Warming

**Think: Global Warming! Melting Polar Ice Caps! Loads of Carbon Dioxide in the air!

*Think: Cleaner System, but still not the best.

Types of Energy (2)

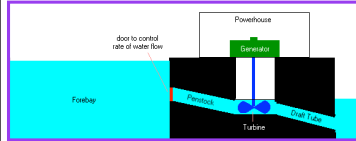
Renewable

- Hydroelectric(Water)
- Solar(Sun)
- Biomass
- Wind
- Geothermal

Think: VERY Clean For the Environment, But COSTLY \$\$\$

Not Suitable for LARGE Scale Use

Running Water To Create Electricity



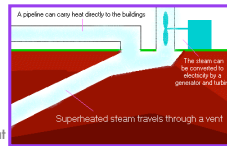
Clean Energy, but can often tamper with water quality. Giving it less oxygen, and higher nitrogen content



Blade Catch The Wind, and Spin Creating Energy!



Clean Energy, Expensive and Can Take Up A Lot Of Space



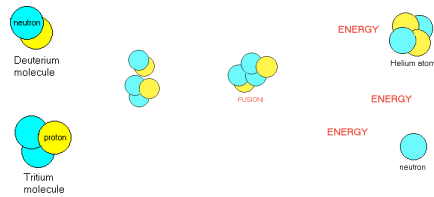
Using Earths Own Heat

To Create ENERGY!... But not a lot of power from this method

Energy(3)

Nuclear

- Fusion



The Energy Comes From
fusing (putting together)
two atoms to make a
new molecule.

There is a lot more than just combining atoms, there is a whole process to heating...AT VERY HIGH TEMPERATURES... and doing a lot of complicated things. It's hard.

Example Questions

Energy - Environmental Consequences

9. Which economic sector is likely to contribute most significantly to air pollution?

- farming
- mining
- logging
- ★ transportation

Explanation Next Question

7. Select the false statement.

- Competing costs from fossil fuels pose a challenge to the development of alternative energy sources.
- ★ A hydroelectric power plant is an efficient alternative energy source in dry regions.
- Hydroelectricity is a major source of electricity in the western states.
- Farming, ranching and wind turbines are examples of land uses that might compete for space.

10. Most forms of transportation, including airplanes, trains, ships, and trucks, get the energy they need by burning a form of fossil fuel. Which portion of the environment does these various forms of transportation impact the most?

- water quality
- light quality
- ★ air quality
- soil quality

Explanation Next Question

4. _____ is one of the few alternative energy sources that cause air pollution.

- Solar energy
- Geothermal power
- Wind
- ★ Biomass

Explanation Next Question

2. Select the word that makes this statement **false**. _____ is/are a result of using coal as an energy source.

- Greenhouse gasses and global warming
- ★ Conversion of river habitats to lake habitats
- Particles in the air
- Acid rain

Explanation Next Question

6. _____ is a high-efficiency, non-renewable energy source that is primarily produced close to the end users in the United States.

- Oil
- ★ Natural gas
- Hydrothermal heat
- Ethanol

Explanation Next Question

5. Hydroelectric power was once a very promising alternative energy source. In recent years, however, it has come under criticism. Why?

- The source of energy is non-renewable.
- It is a very expensive method of generating electricity.
- ★ The environmental consequences are quite high.
- It did not generate as much electricity as was hoped.

Explanation Next Question

3. Deforestation causes _____ and decline in soil fertility.

- ★ erosion
- air pollution
- reduced resources
- excessive nutrients

Explanation Next Question

- Not brought up until 19th century. fossil fuels, coal, natural gas

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Final Statement

Energy is a very specific topic that revolves around the benefit of helping mankind with such things as electricity, and daily house needs. The most popular form of energy comes from fossil fuels, but it is also the most polluting. Generations have been trying to make renewable energy the number one source, but it costs a lot of money and doesn't give off AS MUCH supply as fossil fuels do. So far due to fossil fuels Global Damage has been happening and unless something is done soon, it could get deadly.