

Description of geothermal energy:

Benefits of using geothermal energy for electricity:

Negative consequences of using geothermal energy:

Does geothermal energy used for electricity contribute to climate change? Explain your answer.

Should geothermal energy be a major source for future electricity production? Why or why not?

Description of nuclear energy:

Benefits of using nuclear energy for electricity:

Negative consequences of using nuclear energy:

Does nuclear energy used for electricity contribute to climate change? Explain your answer.

Should nuclear energy be a major source for future electricity production? Why or why not?

Description of wind energy:

Benefits of using wind energy for electricity:

Negative consequences of using wind energy:

Does wind used for electricity contribute to climate change? Explain your answer.

Should wind energy be a major source for future electricity production? Why or why not?

Description of hydropower:

Benefits of using hydropower for electricity:

Negative consequences of using hydropower:

Does hydropower used for electricity contribute to climate change? Explain your answer.

Should hydropower be a major source for future electricity production? Why or why not?

Description of solar energy:

Benefits of using solar energy for electricity:

Negative consequences of using solar energy:

Does solar energy used for electricity contribute to climate change? Explain your answer.

Should solar energy be a major source for future electricity production? Why or why not?

Description of coal:

Benefits of using coal for electricity:

Negative consequences of using coal:

Does coal used for electricity contribute to climate change? Explain your answer.

Should coal be a major source for future electricity production? Why or why not?

Description of natural gas:

Benefits of using natural gas for electricity:

Negative consequences of using natural gas:

Does natural gas used for electricity contribute to climate change? Explain your answer.

Should natural gas be a major source for future electricity production? Why or why not?

## Discussion Questions

1. Which energy source appears to be the best choice, when taking into account social, environmental, and economic factors? What types of resources does that energy source use? Are they renewable? Does the use of that energy source benefit some people at the expense of others?
2. Why do you think energy sources that are strongly linked to climate change are used all over the world?
3. If we know about technology and conservation techniques that can limit greenhouse gas emissions, why don't we use them in all instances?
4. Do you think that all people know which energy source is used to generate the electricity they use? What energy sources are used to provide electricity in your community?
5. Are there places where certain technologies couldn't be used? Why couldn't all technologies be used in all places?
6. How could conservation (using less energy) play a part in deciding which energy sources to use?