

Power City – Assessment

Group Members

1

2

Criteria	Basic	Intermediate	Advanced
Poster or PowerPoint			<ul style="list-style-type: none"> ○ Contains all the required materials ○ Neat and easy to read ○ Shows a thorough understanding of the selected energy source
Presentation			<ul style="list-style-type: none"> ○ The presentation is very informative. ○ Presenters are easy to understand ○ The presentation is organized and easy to follow. ○ Presenters talked slowly and clearly ○ Used eye contact with audience ○ Did not read word for word off the screen
Professionalism			<ul style="list-style-type: none"> ○ Presenters were professional with their presentations and took the topic seriously.
Use of class time			<ul style="list-style-type: none"> ○ Each day the class time was spent on task and no time is wasted.
Overall			Comments:

Your task:

Research an energy resource that you would like for “Power City.” You need to convince the Mayor and the City Council should choose your energy source as their main way to produce energy. You will need to present your information to the class using a PowerPoint or a Poster.

You must include the following:

- What is your energy source
- Is it renewable? Or non-Renewable?
- What are the uses of this energy source?
- How does it work? Or how does it produce energy?
- List the Advantages and disadvantages of the power source.
- Pictures/ graphs and charts that explain your power source.
- Concluding statement of why the mayor and city council should choose this power source as their main energy-producing source for their city.

PETROLEUM



TOPICS

MANDATORY TOPICS	PICK TWO FROM THE LIST BELOW
<ul style="list-style-type: none">• Description of the energy source, including renewable or nonrenewable• Advantages and disadvantages of the energy source• Where the energy source is found and how the energy source is recovered	<ul style="list-style-type: none">• Brief history of energy source• How the energy is stored in the source and how the energy is released• Economic impact of the energy source• Environmental impacts of the energy source• Future of the energy source

WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **American Petroleum Institute**

<https://www.api.org/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

Energy Form Thinking Map

Renewable

OR

Nonrenewable

circle one

Uses	How this form produces energy
Advantages	Disadvantages

URANIUM



TOPICS

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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **Nuclear Energy Institute**

<https://www.nei.org/home>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

Energy Form Thinking Map

Renewable

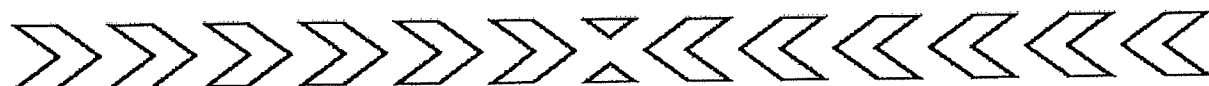
OR

Nonrenewable

circle one

Uses	How this form produces energy
Advantages	Disadvantages

SOLAR



TOPICS

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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **American Solar Energy Society**

<https://ases.org/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

Energy Form Thinking Map

Renewable

OR

Nonrenewable

circle one

Uses	How this form produces energy
Advantages	Disadvantages

NATURAL GAS



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **Natural Gas Supply Association**

<https://www.ngsa.org/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

Energy Form Thinking Map

Renewable

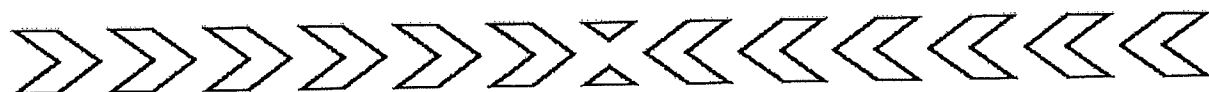
OR

Nonrenewable

circle one

Uses	How this form produces energy
Advantages	Disadvantages

BIOMASS



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **National Renewable Energy Laboratory (NREL)**

<https://www.nrel.gov/research/re-biomass.html>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

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Renewable

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PROPANE



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **Propane Council**

<https://propane.com/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

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HYDROPOWER



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **National Hydropower Association**

<https://www.hydro.org/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

Energy Form Thinking Map

Renewable

OR
circle one

Nonrenewable

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WIND



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **American Wind Association**

<https://www.awea.org/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

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COAL



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **Kentucky Coal Education**

<http://www.coaleducation.org/>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

Energy Form Thinking Map

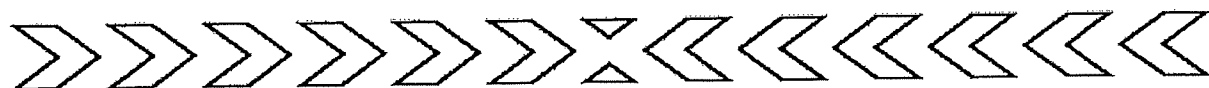
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GEO THERMAL



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WEBSITES

- **National Energy Education Development**

<https://www.need.org/need-students/energy-infobooks/>

- **International Renewable Energy Agency**

<https://www.irena.org/geothermal>

- **US Energy Information Administration**

<https://www.eia.gov/kids/>

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