

IPS 9 - Teacher: _____ Period: _____ Name: _____

A. General Questions on the Chart

1. *What is the purpose of this chart?*
2. *What is being measured?*
3. *Tell how it is being measured by naming the independent variable (horizontal axis) and the dependent variable (vertical axis).*
4. *What type of chart (line, bar, pie, etc) is used to present the data? Why is this the best type of chart to present this data?*

Trends from the Chart

For each trend, mention the following details:

- a) BTUs in 1960 and 2000
 - b) Whether use of the energy source increased or decreased
 - c) Any significant peaks or drops in usage
 - d) Whether the source was the #1, 2, 3, 4, or 5 source of energy in 2000
5. Trend in Natural Gas:
 6. Trend in Nuclear Power:
 7. Trend in Hydroelectric:
 8. Trend in Biomass or Wood and Waste:
 9. Overall trend: For the overall trend, discuss whether the state of Connecticut used more renewable or non-renewable sources in the chart. You may discuss how many BTUs or how many times more nonrenewable was used over renewable.

10. My prediction is: Based on the chart, make a prediction for which energy source(s) will be most utilized in 2015. Explain why you arrived at that conclusion.

B. Inquiry Activity

The chart on CT Energy Use 1960-2001 raises many issues.

Go to this source to answer questions 1-5: Energy Information Administration Kids Page <http://www.eia.doe.gov/kids/energyfacts/index.html> (Type of source: government document from the Energy Information Administration)

Question 1: How do we use coal to supply electricity?

Answer:

Question 2: How is natural gas stored and delivered?

Answer:

Question 3: How do nuclear power plants generate electricity?

Answer:

Question 4: How does hydropower create energy?

Answer:

Question 5: How do we get energy from plant and animal matter (Biomass)?

Answer:

Go to this source to answer your question: <http://www.ctcleanenergy.com/> (Type of source: web site of an organization Connecticut Clean Energy Fund)

Question 6: What is Connecticut's Clean Energy program?

Answer: