

Energy Use—Questionnaire

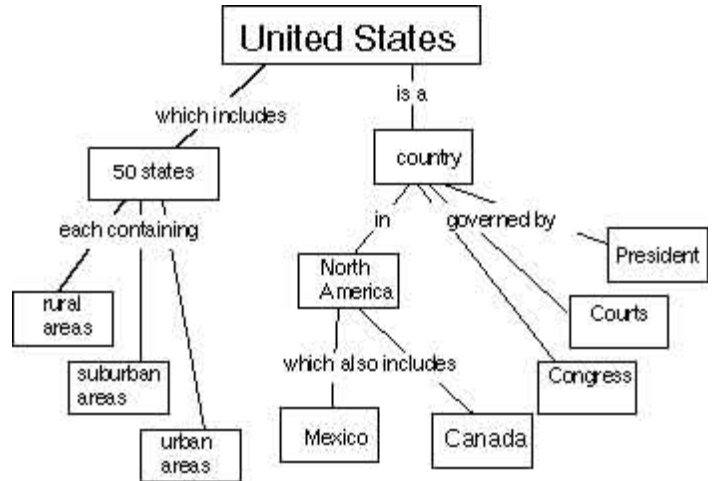
Energy is a very important for all people. Show what you know about energy by answering the following questions. Use another sheet of paper if you need more room.

1. What different forms of energy are there? (List as many as you can.)
2. What materials would you need to make an electric generator?
3. Name as many types of electric power plants as you can and tell what type of fuel each requires.
4. What various units are used to measure electricity?
5. What are some ways that energy is wasted in our society?
6. Which would be more cost effective to buy in the long term: a 20 watt compact fluorescent light (CFL) or a 100 watt incandescent light? Assume that both lights emit the same amount of light; the CFL costs \$15 and lasts 10 years; the incandescent costs \$1.00 and lasts 2 years. Explain your answer.
7. Name as many factors as you can that contribute to the energy efficiency of a car.

Energy I gY—Concept Map

A concept map is a way of displaying your knowledge about a certain subject area. It consists of a set of words in boxes representing the most important ideas. The boxes are connected by lines and words showing how the ideas in the boxes are related. For example, at right is a concept map about the United States.

Your task is to create a concept map about the way energy is used by humans. Your concept map should show ways of thinking about how society gets and uses energy. Start with the word “Energy” at the top. (If you’d like more space, you can draw your concept map on the back, or on another sheet of paper.)



Energy

Name _____

Date _____

1. How many different forms of energy are there? (Make list)

2. How does energy affect your life?