

# Examining Energy Flow Charts

Date \_\_\_\_\_

Team Members \_\_\_\_\_

1. Examine each state's Sankey Diagram. What three things are similar across all of the energy maps?

- a)
- b)
- c)

2. Use the table below to identify the total energy consumption (in BTUs) of the energy sources in each state.

	Washington	Iowa	California	Kentucky	Connecticut
Solar					
Nuclear					
Hydropower					
Wind					
Geothermal					
Natural Gas					
Coal					
Biomass					
Petroleum/oil					

**3. Which state has the HIGHEST use of:**

- Wind Energy:
- Solar Energy:
- Hydroelectric Energy
- Coal Energy:
- Nuclear Energy:

**4. Which state has the LOWEST use of:**

- Wind Energy:
- Solar Energy:
- Hydroelectric Energy
- Coal Energy:
- Nuclear Energy:

**5. Think back on your understanding of reliability, cost, and climate impact from the energy choice sorting activity. Why might each state's energy mix look the way it does?**

**Washington:**

**Iowa:**

**California:**

**Kentucky:**

**Connecticut:**

**6. How do geographic and climate conditions in each state impact energy mix decisions?**