**Hot Stuff Post-Lab Questions**

1) What does the Law of Conversation of Energy state?

2) Name 3 different kinds of energy.

3) What is heat capacity?

4) Which of these three has the highest heat capacity: Glass, Metal, or Styrofoam?

5) Which of the three is the best reaction vessel for the experiment you performed?

6) Suppose it takes 100 calories of heat to change the temperature of 2g of a liquid by 3.5 degrees Celsius. What is the heat capacity of this liquid?

7) Why do island temperatures fluctuate so little compared to the oscillating mid-Missouri temperatures?

8) What is an advantage and disadvantage to lowering the thermostat temperature of a hot water heater at home?