Thermo Webquest – Follow Up Questions

1. Define the study of thermochemistry
2. What is the first law of Thermodynamics?
3. What is the difference between heat and temperature?
4. What are the three types of heat transfer?
5. Which type of heat transfer happens when you boil an egg?
6. What type of heat transfer does the sun use to heat the earth?
7. Convert the temperature -15 °C into K
8. What is the temperature of boiling and freezing water in °C and in K?
9. What is the difference between exothermic and endothermic change?
10. How are exothermic and endothermic changes used in sports?
11. Why are we keeping pressure constant for all the internal energy problems in this class?
12. Give an example of a fluid that you did not know was a fluid before today. Explain why it is a fluid
13. When you use an ice pack on a sore muscle, what is the exothermic reaction, and what is the endothermic reaction?
14. Explain how heat is transferred
15. What is wrong with this statement? “Would you like some ice to cool your drink down?”
16. Scientifically, how would you reword the statement in #15?
17. Can you think of another food besides popcorn that might use the three different heat transfers in cooking?

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