



**Do You Understand?**

1. Describe (in steps) how the energy was transferred from the fuel to the water inside the calorimeter in the simulation. Make sure to include all energy transferred from the fuel.
2. What are some features of the calorimeter used in the simulation that makes its quality less than desirable for its intended purpose of measuring energy transfer?
3. What are some experimental data that might be inaccurate as a result of using the calorimeter in the simulation?
4. Even though some of the data may have been inaccurate using the calorimeter used in this simulation, could the overall conclusions of the entire study of all fuels ability to transfer thermal energy to the water still be correct? Please explain your response.
5. What material did you use to enhance the transfer of thermal energy to the water in the calorimeter? Where did you place this material?
6. What material did you use to minimize the transfer of thermal energy to the water in the calorimeter? Where did you place this material?