Name:_____ Date:_____ Period:_____

Calorimetry Quiz

Joules, calories, Calories, Specific Heat
20 Points

1. How many Calories are in a peanut that releases 2000 Joules of energy?

2. What is the specific heat of 100 grams of a liquid that absorbs 25 Joules of energy and experiences a raise 25°C?

3. How many Joules of energy are in the food in an average daily diet (2000 Calories)?

4. If you were to use all the energy from the food you eat in one day (2000 Calories) to heat a liter of water with an initial temperature of 25°C, what would the final temperature be?