Science Worksheet 2-10a Heat Transfer Worksheet

Name	 Date	

In problems 1-3, calculate the heat change (calories) using the equations below

Δ Heat = Specific Heat x mass x Δ temperature

- 1. How many calories of heat are required to raise the temperature of 550 g of water from 12.0 °C to 18.0 °C? (remember the specific heat of water is 1.00 cal/g x °C)
- 2. How much heat is lost when a 640 g piece of copper cools from 375 °C, to 26 °C? (The specific heat of copper is 0.09 cal/g x °C)

