

Preclass Assignment

CHEM 1050-Chemistry and the Citizen

Name:

#2

Section: 03, MW

Due Date: Wednesday 1/13/2016

1. Calculate the amount of heat in kilojoules transferred when a can of soda is cooled from 25.0 °C to 3.0 °C. The mass of can of soda is about 369 g and assume we are only concerned with the contents and not the container.

Assume the specific heat of the soda is $4.18 \frac{\text{J}}{\text{g}^\circ\text{C}}$.