## Answer on Question #80697 - Chemistry - Physical Chemistry

## Question:

Calculate the change in entropy when 350 g of water at 5 degrees C is mixed with 500 g water at 80 degrees C, assuming that specific heat of water is 1 cal/degree.gram?

## **Solution:**

Answer: 107 cal/K.

 $\Delta S = S2 - S1 = 107 \text{ cal/K}.$