CH101 CLUE: System and Surroundings   Names:_____

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November 29, 2011   Section:_____

Draw a picture of a beaker with ice and water at 10 °C. Label the system and the surroundings.

Since the temperature is at 10 °C what will happen to the ice-water?

What will be the sign of ΔH for the system? (Which way does the energy transfer?) Show this on your diagram (use an arrow)

What will be the sign of ΔH for the surroundings?

What is the sign of ΔS for the **system** - explain your answer?

What is the sign of ΔS for the **surroundings** - explain your answer?