Sodium Chloride

Key question: Does dissolving salt in water cause a temperature change?

Materials:
- Aluminum can
- Crushed ice
- Thermometer
- Sodium chloride (salt)
- Tablespoon

Directions:
Fill the aluminum can with crushed ice. Cover the ice with water. Insert a thermometer. Wait 30 seconds and record the temperature of the icy water. Add 1 tablespoon of sodium chloride to the icy water and stir it gently with the thermometer. Wait 30 seconds to record the temperature. Wait another 30 seconds and record the temperature again. Design a chart or table to record your findings.

Do you think the temperature would change if you add another tablespoon of sodium chloride?

J.Tuschl Vanderbilt CSO 2006