

## Student Handout

### Results

Use Table 1 to record your results from the experiment:

<b>Table 1: Results for saturated solutions</b>			
	Ice Water	Room temperature	Boiling Water
Volume of water used (ml)			
Mass of sugar in the cup at the start of the experiment (g)			
Mass of sugar in the cup at the end of the experiment (g)			
Mass of sugar in solution (g) ( = Mass of sugar at the start – Mass of sugar at the end)			

## Student Questions

### Part A:

1. Calculate the concentration of the solution at the saturation point for each temperature.

**Recall:**            Concentration = Mass of Solute / Volume of Solvent

**Ice Water:**

**Room Temperature:**

**Boiling Water:**

2. What affect does the temperature have on the saturation point of sugar in water?

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3. The saturation point will vary between students; why might this be?

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**Part B**

1. Why did sugar crystals grow on the wooden skewer when the super saturated solution cooled?

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