

## SchoolNova Chem 2 Homework 12

1. You have two solutions. Solution 1 contains sugar dissolved in water. Solution 2 contains sugar and salt dissolved in water. Which solution would you predict has a higher entropy (more disorder)? Why?
  
  
  
  
  
  
  
  
  
  
2. For the following examples, predict if the solution might be saturated, unsaturated, or supersaturated.
  - a. A solution containing 1 gram of sugar in 1 liter of water.
  
  
  
  
  
  
  
  - b. A solution containing 1 kilogram of sugar in 1 liter of water.
  
  
  
  
  
  
  
  - c. A solution containing 1 kilogram of sugar in 1 liter of water that has been heated and cooled slowly.