

Lab 11 – Ice Cream Lab (Honors)

Introduction:

(Write 10 facts from Chapter 16.)

Materials:

half and half
sugar
vanilla
ice
rock salt
toppings



Procedure:

1. Listen as Mrs. Borders explains how the ice cream is made in the ice cream makers.
2. While the ice cream is churning, answer the data questions that were taped into your lab notebook. The whole group should be working on the data together.
3. Check your answers with Mrs. Borders. You must have all of the answers correct before you can have ice cream.
4. Get you bowl of ice cream, add toppings, and ENJOY!!
5. Clean up: Throw your stuff away and clean up any spills.



Data:

(I will show you how to do data in class.)

Questions: (Write the questions and answer them.)

1. What is a colligative property?
2. What are the 3 colligative properties that we learned about?
3. Which colligative property was used during this lab?
4. If you add more solute to a solution and it settles at the bottom, then is the solution unsaturated, saturated, or supersaturated?
5. Which solution has the higher boiling point?

Solution A

1 mol K_2CO_3

Solution B

1 mol P_2O_5



Conclusion:

(Write 3 sentences about any mistakes you made, anything that you learned, how the lab relates to real life, or how else we use colligative properties.)