Ň٦	_	-	_

Reporting Sheet: Lab 2: STOICHIOMETRY.
Data Analysis In the space below, assume your sample is Na ₂ CO ₃ . Use the original unknown mass to calculate the hypothetical mass of NaCl that would have been synthesized. This calculation can be accomplished using the following steps: a) (3 pts) Convert the mass of unknown, assumed to be Na ₂ CO ₃ , to moles of Na ₂ CO ₃ using the molar mass of Na ₂ CO ₃ .
moles of Na ₂ CO ₃
b) (2 pts) Convert the moles of Na ₂ CO ₃ consumed to the moles of NaCl formed using the <i>balanced chemical</i> equation.
moles of NaCl
c) (3 pts) Convert the moles of NaCl to grams of NaCl using the <i>molar mass</i> of NaCl.
grams of NaCl
2) (5 pts) Now assume your sample is NaHCO ₃ . Use the original unknown mass to calculate the hypothetical mass of NaCl that would have been formed. Use the method outlined above:
grams of NaCl
3) (2 pts) Fill in the spaces in the following statement.
My unknown was labeled If this unknown was Na ₂ CO ₃ , then I would expect to have formed grams of NaCl as a product. If this unknown was NaHCO ₃ , then I would expect to have formed grams of NaCl as a product. Since my reaction formed grams of NaCl, then this unknown is
grains or maci, then this unknown is

Note: If your actual mass of NaCl is not clearly one of the predicted amounts, then make a suggestion in the space below of why this may be the case.

GRADING (Lab 2)

- header information on ALL pages (1 pts)	- Notebook Preparation	
- Purpose in notebook (2 pts)	- lab activity entered into Table of Contents (1 pts)	pts
-Prelab Activity - Complete table as requested in lab notebook (12 pts)	- header information on ALL pages (1 pts)	pts
- Complete table as requested in lab notebook (12 pts)	- Purpose in notebook (2 pts)	pts
(Including calculations of molar masses) - Balanced Chemical Reactions in lab notebook (4 pts)	-Prelab Activity	
- Balanced Chemical Reactions in lab notebook (4 pts)	- Complete table as requested in lab notebook (12 pts)	pts
- Data collection - Mass of unknown clearly noted in lab notebook (3 pts) pts - Unknown label clearly noted in lab notebook (2 pt) pts - Data Analysis - Reporting Sheet Calculations (15 pts) pts	(Including calculations of molar masses)	
- Mass of unknown clearly noted in lab notebook (3 pts) pts - Unknown label clearly noted in lab notebook (2 pt) pts - Data Analysis - Reporting Sheet Calculations (15 pts) pts	- Balanced Chemical Reactions in lab notebook (4 pts)	pts
- Unknown label clearly noted in lab notebook (2 pt)	- Data collection	
- Data Analysis - Reporting Sheet Calculations (15 pts)	- Mass of unknown clearly noted in lab notebook (3 pts)	pts
- Reporting Sheet Calculations (15 pts) pts	- Unknown label clearly noted in lab notebook (2 pt)	pts
	- Data Analysis	
Total point (40 pts)	- Reporting Sheet Calculations (15 pts)	pts
10tai point (40 pts) pt	Total point (40 pts)	pts