

Write your balanced equation:

Prelab Calculations: *show all work!!!*

You will do the lab starting with 0.018 mol of CaCl₂

1) How many grams of CaCl₂ will you start with?

Pathway:

2) If you start with 0.018 mol of CaCl₂, how many moles of Na₂CO₃ do you need?

Pathway:

3) If you start with 0.018 mol of CaCl₂, how many grams of Na₂CO₃ do you need?

Pathway:

4) If you start with 0.018 moles of CaCl₂ how many moles of CaCO₃ should you make?

Pathway:

5) If you start with 0.018 mol of CaCl₂, how many grams of CaCO₃ should you make?

Pathway:

6) If you start with 0.018 moles of CaCl₂ how many moles of NaCl should you make?

Pathway:

7) If you start with 0.018 moles of CaCl₂ how many grams of NaCl should you make?

Pathway:

8) Summarize your calculations in the table below. Use the solubility table in the classroom to fill in the last two rows of the chart.

	_____ CaCl ₂	_____ Na ₂ CO ₃ →	_____ CaCO ₃	_____ NaCl
# moles	0.018 mol			
# grams				
Solubility				
Phase				

9) Rewrite your balanced equation including the phases.