+ NaCl(aq)

CaCO_{3 (s)}

 \rightarrow

Na₂CO_{3 (aq)}

Saf

onic

CaCl_{2 (aq)}

Chamistry Demonstration Name:
Chemistry Demonstration —
Precipitation Reactions & Net Ionic Equations Block:
d. Does your drawing show conservation of matter?yes
How can you tell? because it forms precipitation CaCO ₃
g. Write the net forme equation
$Ca^{2r}(aq) + CO_3^{2r}(qq) \rightarrow CaCO_3(s)$
3. Aqueous solutions of calcium chloride and sodium nitrate are mixed.
a. What do you observe?
b. Balance the equation.
c. Show what ions are present. Remember that ionic compounds in the aqueous phase have the ions separated from each other. You do not need to show the water molecules. Draw 6 chloride ions and enough of the other ions to show the correct ratios given in the balanced equation.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
$CaCl_{2(aq)}$ + NaNO _{3 (aq)} \rightarrow $Ca(NO_3)_{2(aq)}$ + NaCl _(aq)
d. Does your drawing show conservation of matter? Yes Explain. same #'s of tons on both sides e. Which ions are spectator ions? Co ²⁺ and Ct and No ⁺ and to No ₃ How can you tell? same on both sides f. Which ions reacted? mone
How can you tell? <u>Lecause no precipitation form</u> g. Write the net ionic equation.

NR