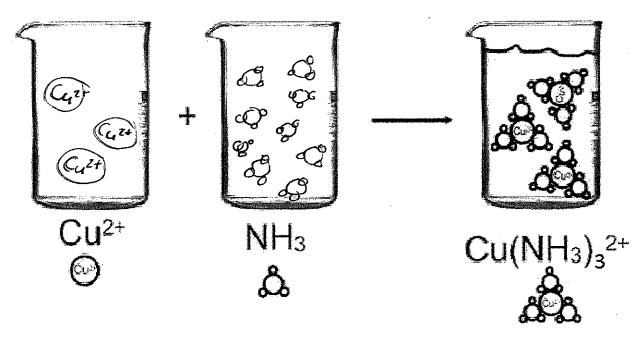
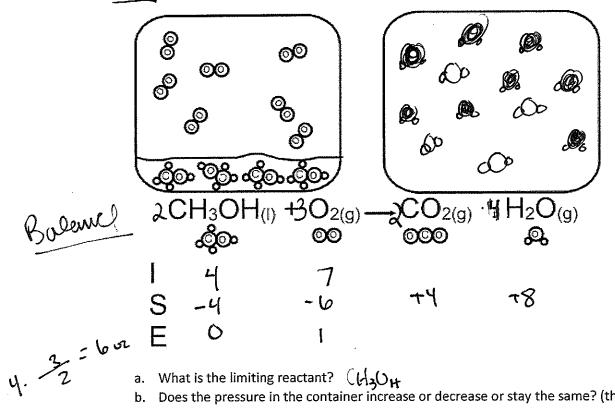
## Balance and Draw the original quantity of atoms present in each reactant beaker.



Balance, complete ISE table, and Draw the products of the following chemical reaction.

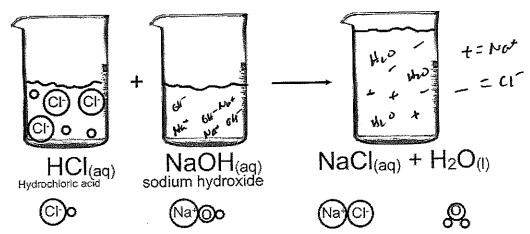


a. What is the limiting reactant? (H<sub>3</sub>O<sub>H</sub>)
b. Does the pressure in the container increase or decrease or stay the same? (think)

- 3. In the beakers below a neutralization reaction is taking place. The HCl is 50mL of 0.3M.
  - a. Re-write and balance the chemical reaction.

HCI+NOOH -> HOH + NOC!

- b. Draw the NaOH at an equal concentration (NaOH is ionic)
- c. Draw the products.



- d. Which substance is the limiting reactant? Noth + HEI Froh
- e. What is the concentration of each ion before and after the reaction.

0.3M 0.3M 0.3M 0.15 0.15 on.  $M = \frac{1}{100}$   $3 = \frac{1}{100}$  4 = 0.015 4 = 0.015 5 = 0.015 6 = 0.05 6 = 0.05 100 10

4. In the beakers below there is a neutralization and precipitation reaction taking place Balance and complete the drawing of the products.

