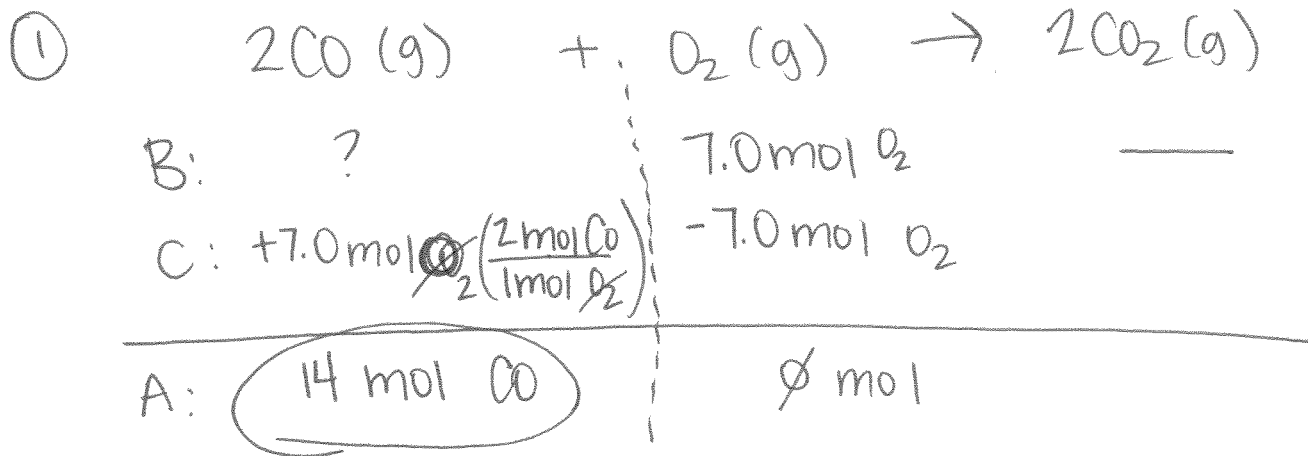
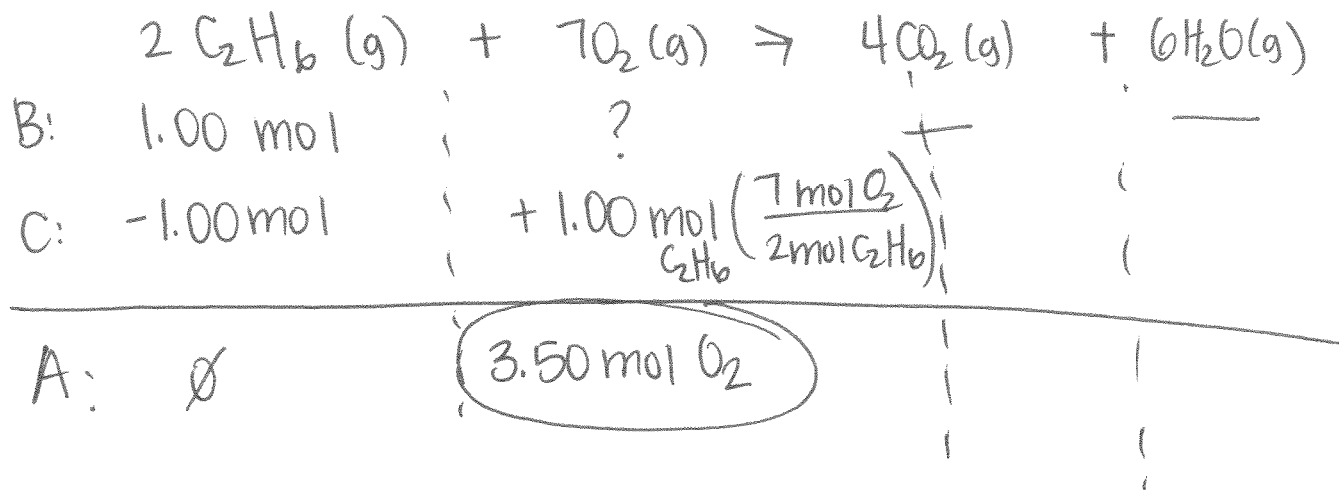


Stoich HW#1 - B-C-A



②

$$\frac{22.4 \text{ L C}_2\text{H}_6}{22.4 \text{ L C}_2\text{H}_6} \left| \frac{1 \text{ mol C}_2\text{H}_6}{22.4 \text{ L C}_2\text{H}_6} \right. = 1.00 \text{ mol C}_2\text{H}_6$$



Stoich HW # 1 B-C-A

③
$$\frac{320\text{g O}_2}{32.00\text{g O}_2} \left| \frac{1\text{mole O}_2}{1\text{mole O}_2} \right. = 10.\text{mol O}_2$$



B: C_3H_8 10. mol

? 0

C: O_2 - 10. mol

+ 10. mol $\left(\frac{4\text{mol H}_2\text{O}}{5\text{mol O}_2} \right)$

A: C_3H_8 0 mol

8.0 mol H₂O

④
$$\frac{44.8\text{L N}_2}{22.4\text{L N}_2} \left| \frac{1\text{mol N}_2}{1\text{mol N}_2} \right. = 2.00\text{mol N}_2$$



B: H_2 2.00 mol

? 0

C: N_2 - 2.00 mol

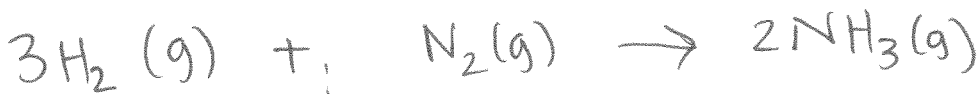
+ 2.00 mol N₂ $\left(\frac{2\text{mol NH}_3}{1\text{mol N}_2} \right)$

0

4.00 mol NH₃

5

$$\frac{10. \text{ L N}_2}{22.4 \text{ L N}_2} \left| \frac{1 \text{ mol N}_2}{1 \text{ mol N}_2} \right. = 0.45 \text{ mol N}_2$$



B: ?	0.45 mol	
C: +0.45 mol $\left(\frac{3 \text{ mol H}_2}{1 \text{ mol N}_2} \right)$	-0.45 mol	

A: 1.35 mol H ₂	∅	
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$$\frac{1.35 \text{ mol H}_2}{1 \text{ mol H}_2} \left| \frac{22.4 \text{ L H}_2}{1 \text{ mol H}_2} \right. = \boxed{30. \text{ L H}_2}$$

6

$$\frac{5.6 \text{ L H}_2}{22.4 \text{ L H}_2} \left| \frac{1 \text{ mol H}_2}{1 \text{ mol H}_2} \right. = 0.25 \text{ mol H}_2$$



B: ?		0.25 mol
C: +0.25 mol $\left(\frac{1 \text{ mol Ca}}{1 \text{ mol H}_2} \right)$		-0.25 mol

A: 0.25 mol Ca		
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$$\frac{0.25 \text{ mol Ca}}{1 \text{ mol Ca}} \left| \frac{40.08 \text{ g Ca}}{1 \text{ mol Ca}} \right. = \boxed{10. \text{ g Ca}}$$