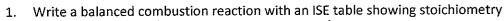
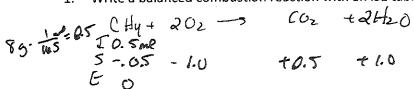
## Introduction to Completion vs. Equilibrium

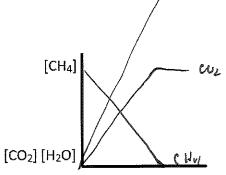
Completion:

g grams of methane burns in excess  $O_2$  to produce  $CO_2$  and  $H_2O$ .





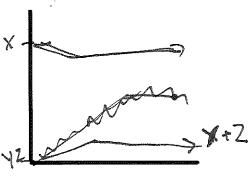
2. Draw a graphical representation tracking concentrations:



H20

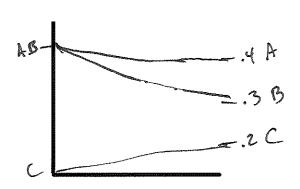
3. A Chemical process of .5M of X only goes 20% to product producing Y and Z. Write a balanced reaction with an ISC table showing ISE stoichiometry.

4. Draw a graphical representation of this process?

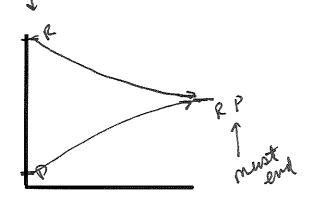


A chemical process of A + 2B  $\leftrightarrow$  2C. A and B both start at a concentration of .5M and when the process has come to equilibrium 20% of A is converted.

- 5. Write the equilibrium expression for this reaction.
- 6. Determine Kc for this process.
- 7. Draw a graphical representation of concentration.







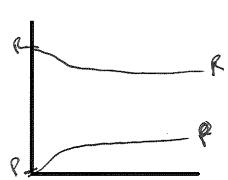
9.

 $R \longleftrightarrow P$ 

Reactant Favored Reaction



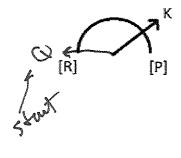
32 January



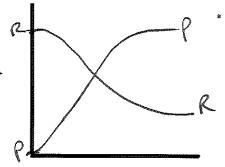
10.

$$R \longleftrightarrow P$$

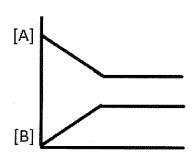
**Product Favored Reaction** 







11. Using the graph draw an arrow on the gauge indicating placement of equilibrium ratios.



Need a

