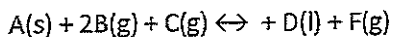


Equilibrium (#11-1)
Models of equilibrium



1. Write a K_c expression for this reaction above.

(gas or aqueous only) $K_c = \frac{[F]}{[B]^2[C]}$

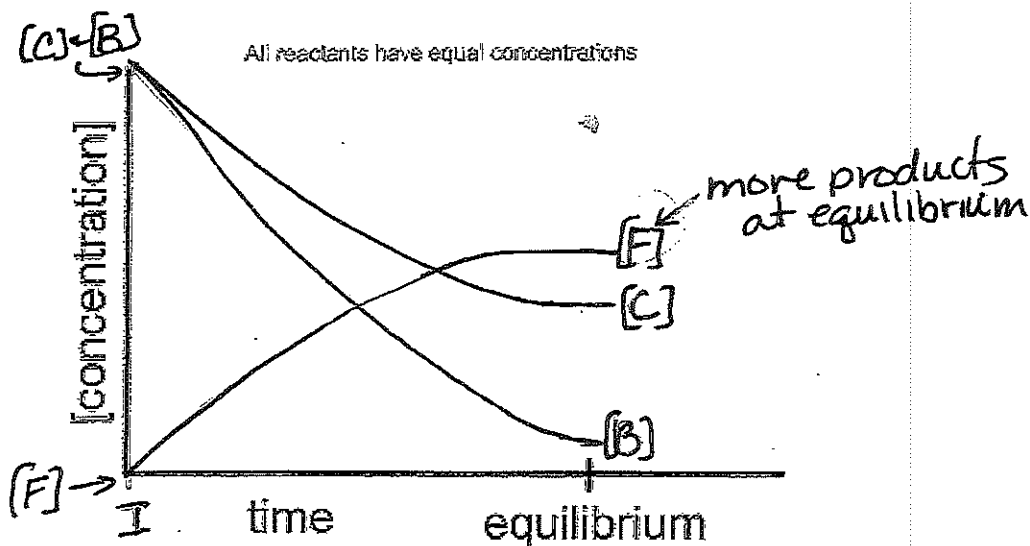
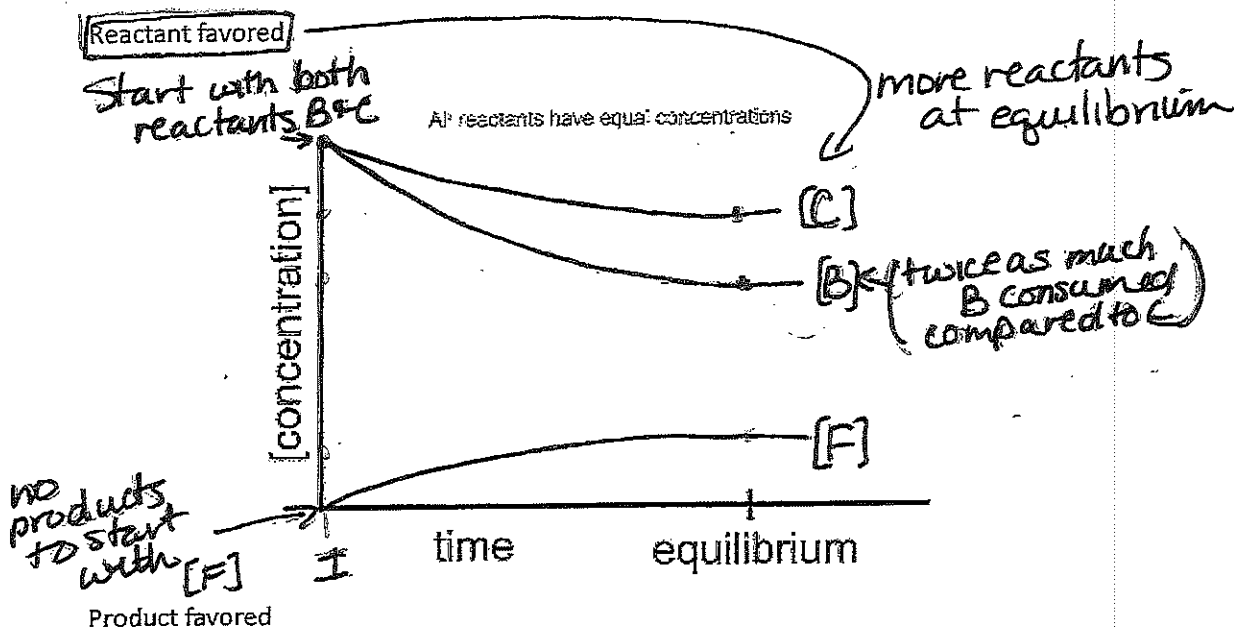
use straight sided brackets for concentration

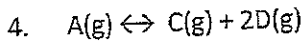
2. Write a K_p expression for the reaction above.

(gas only) $K_p = \frac{P_F}{(P_B)^2(P_C)}$

use partial pressures

3. Fill out the chart below for the reaction above.



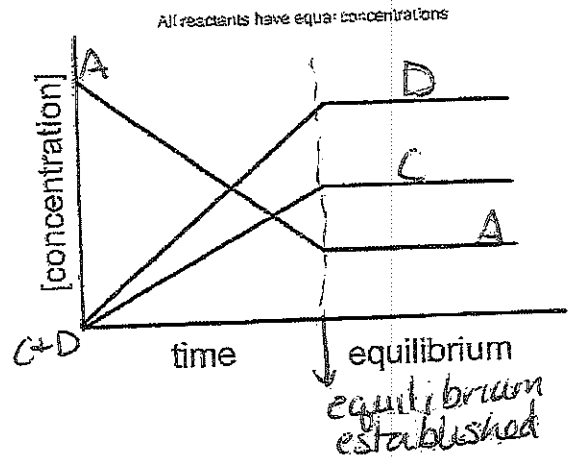


A sample of "A" is placed in a vessel and the reaction occurs until equilibrium.

- Label line for each chemical it represents.
- Label when equilibrium is established.
- Write the K_c and K_p expressions for this reaction.

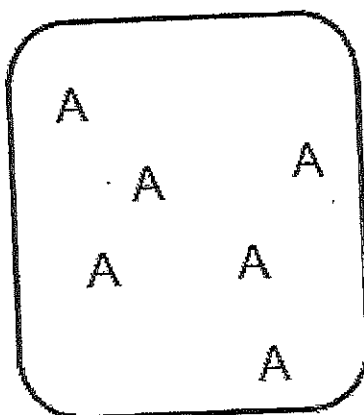
$$K_c = \frac{[D]^2 [C]}{[A]}$$

$$K_p = \frac{(P_D)^2 (P_C)}{(P_A)}$$

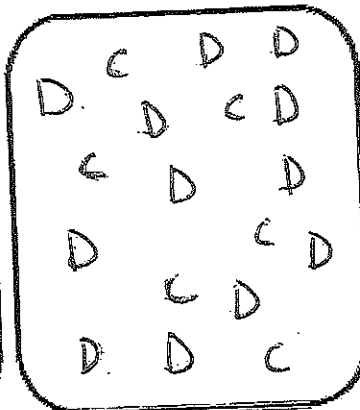


- Complete the following particulate drawings.

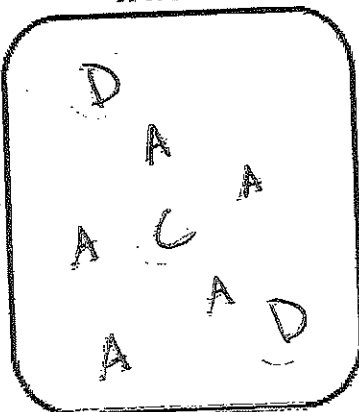
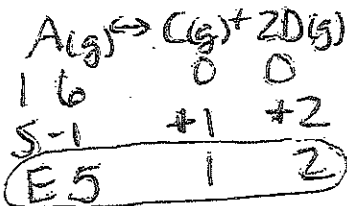
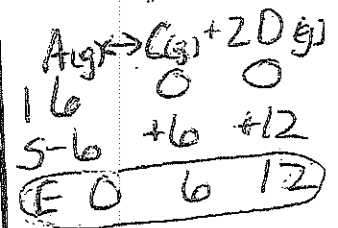
6 A



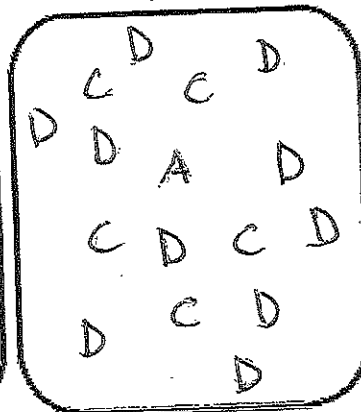
Initial



completion



reactant favored



product favored

