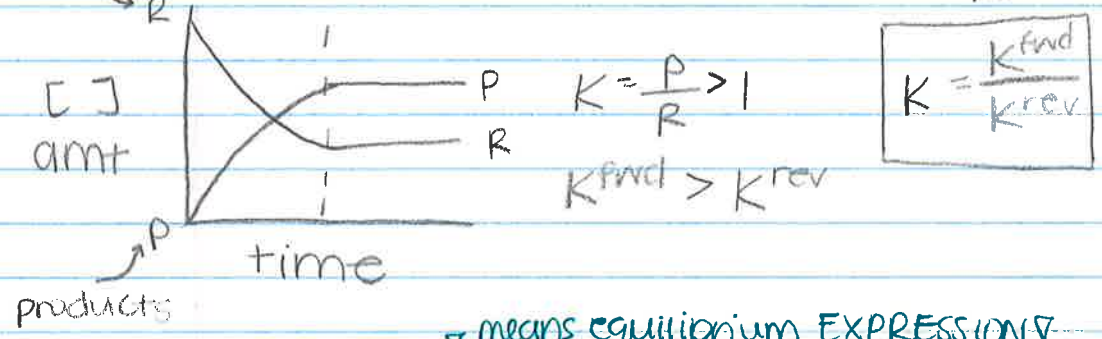
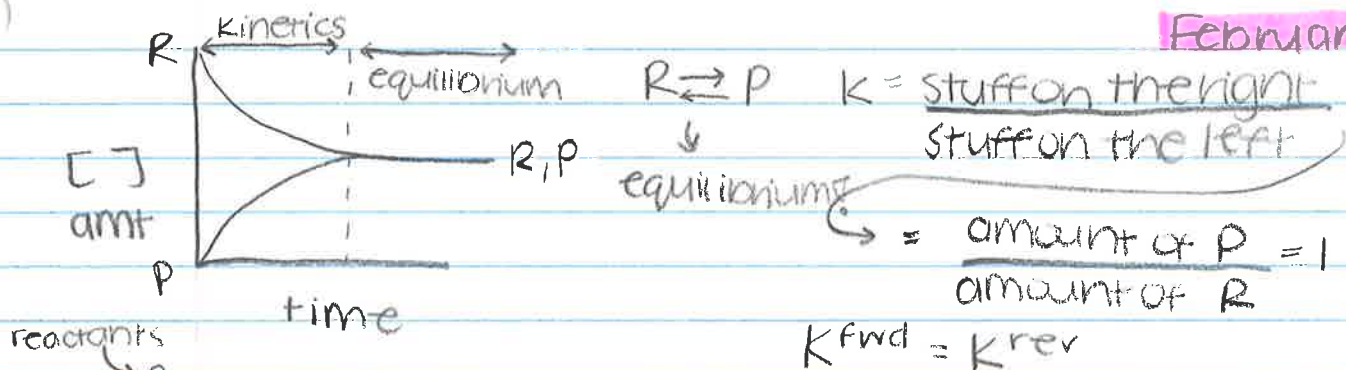
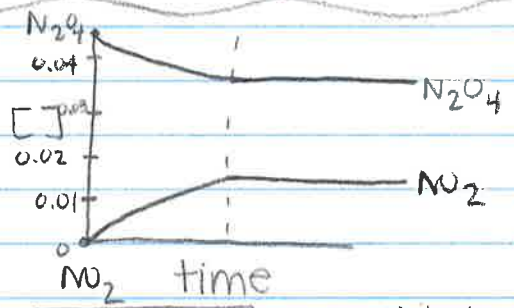


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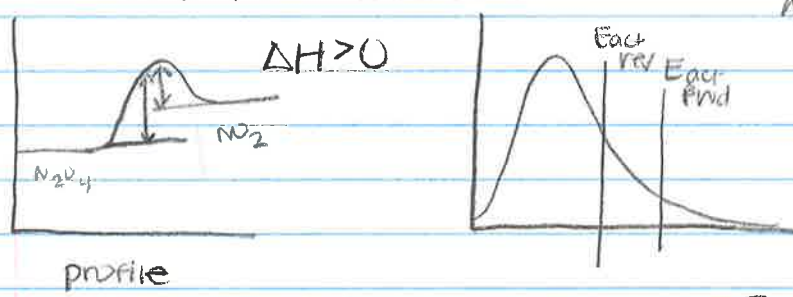


means equilibrium EXPRESSION?

	M	$N_2O_4(g)$	\rightleftharpoons	$2NO_2(g)$
Initial	I	0.0400		0
change	C	-0.0063		+ 0.0063 x 2
ending	E	0.0337		0.0126



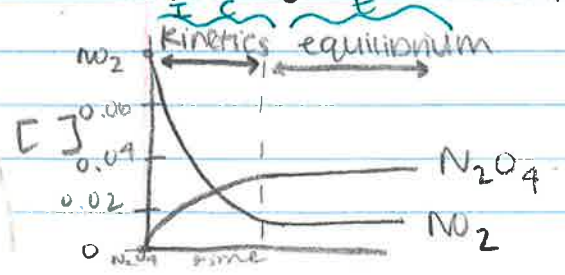
$$K_c = \frac{[NO_2]^2}{[N_2O_4]} = \frac{0.0126^2}{0.0337} = 0.00471 \rightarrow \text{equilibrium constant}$$

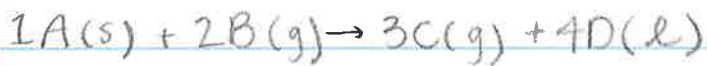


$K_c = \frac{K_{fwd}}{K_{rev}}$
* inverse of one another?

	M	$2NO_2(g)$	\rightleftharpoons	$N_2O_4(g)$
I	I	0.0400		0
C	C	-0.0492		+ 1/2 x 0.0492
E	E	0.0108		0.0246

$$K_c = \frac{[N_2O_4]}{[NO_2]^2} = \frac{0.0246}{0.0108^2} = 210.91$$





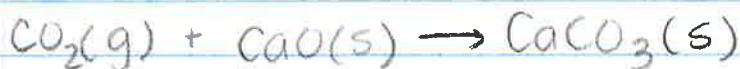
February 7th

* IGNORE things that are not gasses!

$$K_c = \frac{[C]^3}{[B]^2}$$



$$K_c = [CO_2]$$



* If Q_c is too small, shift K_c change line ~~up~~ goes up or \downarrow down on L

$$K_c = \frac{1}{[CO_2]}$$

mol/L	M	$2NO_2(g) \rightleftharpoons N_2O_4(g)$
	I	0.060 0.040
	C	-2x +x
	E	$\frac{0.060 - 2x}{0.040 + x}$

goes with "E" line of miche table

$$K_c = \frac{[N_2O_4]}{[NO_2]^2} = 211$$

$$Q_c = \frac{[N_2O_4]_I}{[NO_2]_I^2} = \frac{0.040}{0.060^2} = 11.1$$

compare to...

goes with INITIAL [], "I" line of miche table

$$K_c = 211 = \frac{[N_2O_4]}{[NO_2]^2} = \frac{0.040 + x}{(0.060 - 2x)^2} \rightarrow 15 \stackrel{?}{=} 211?$$