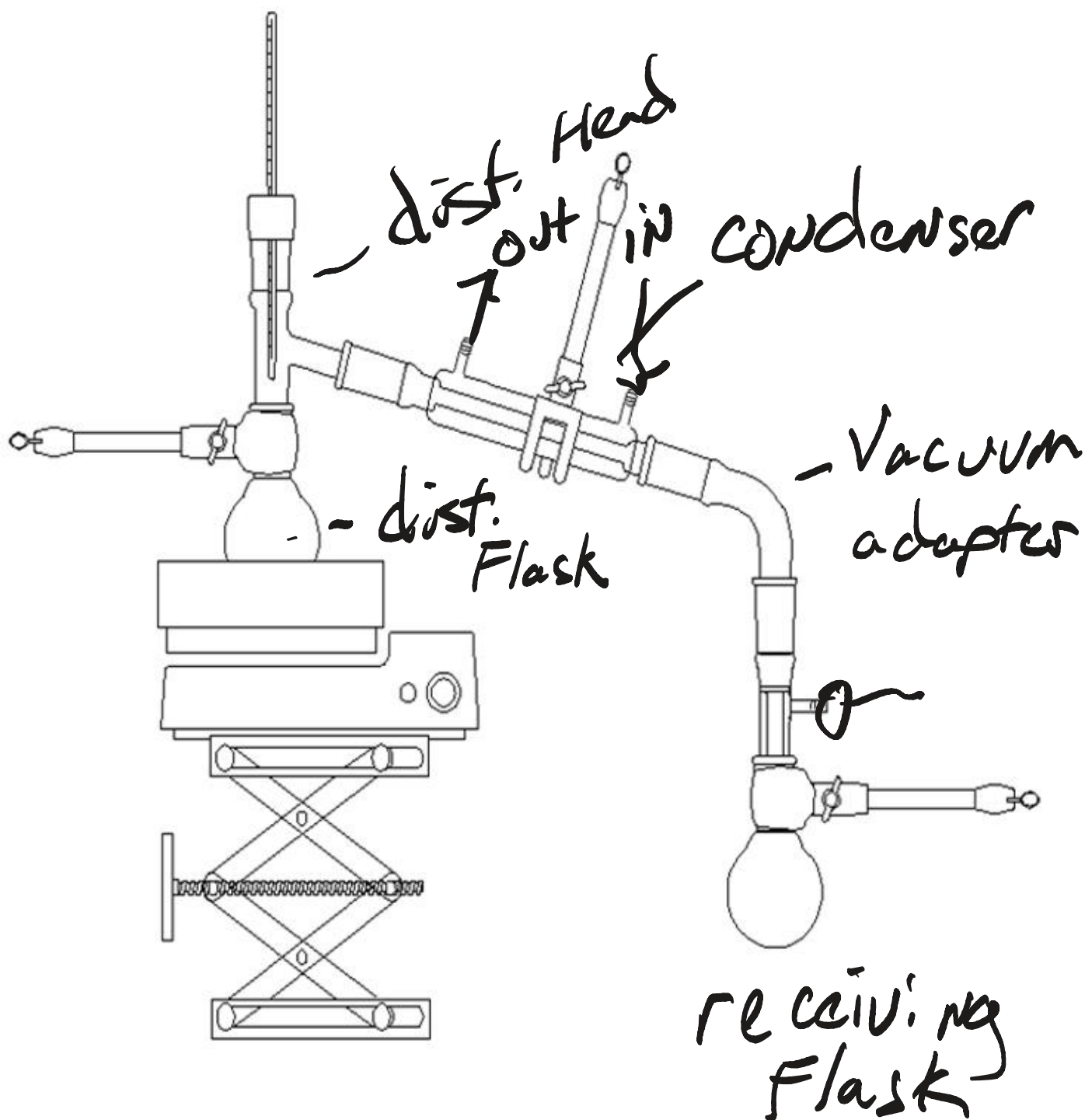


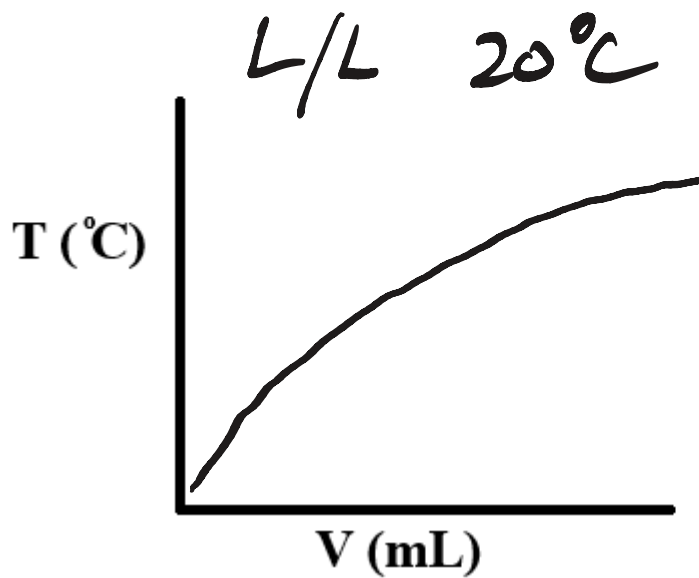
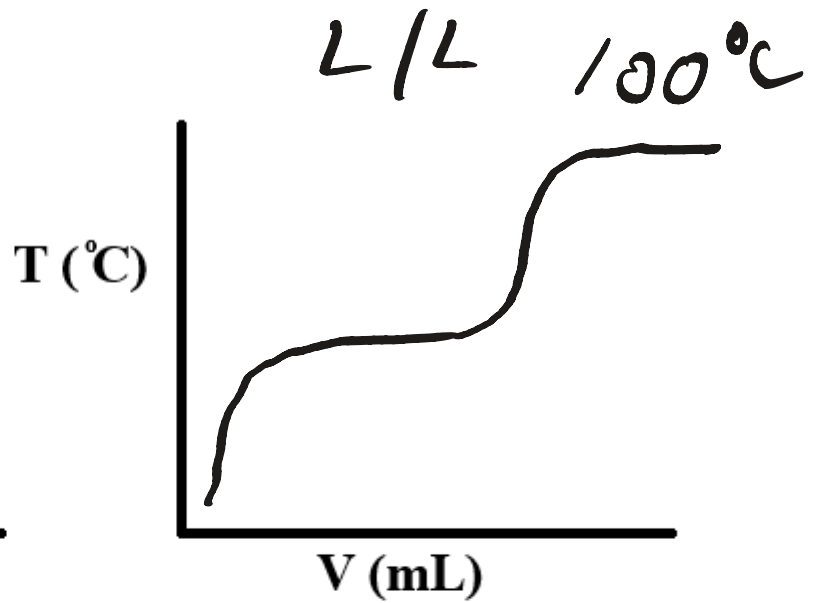
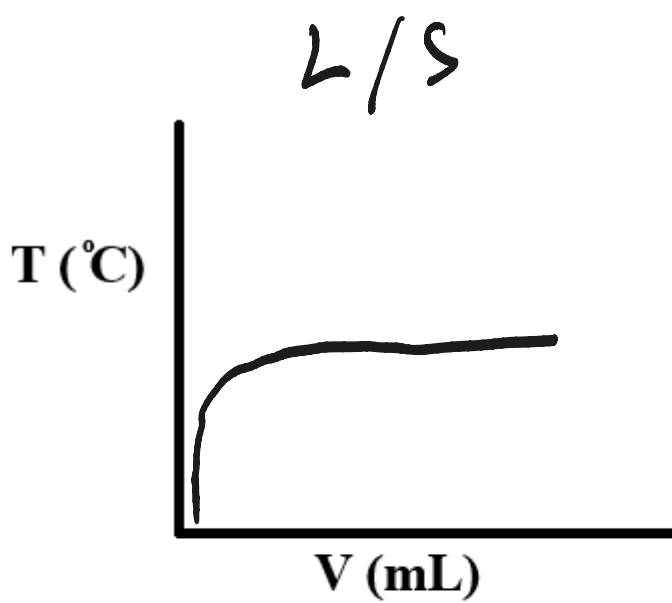
Distillation

220C

9/14/26

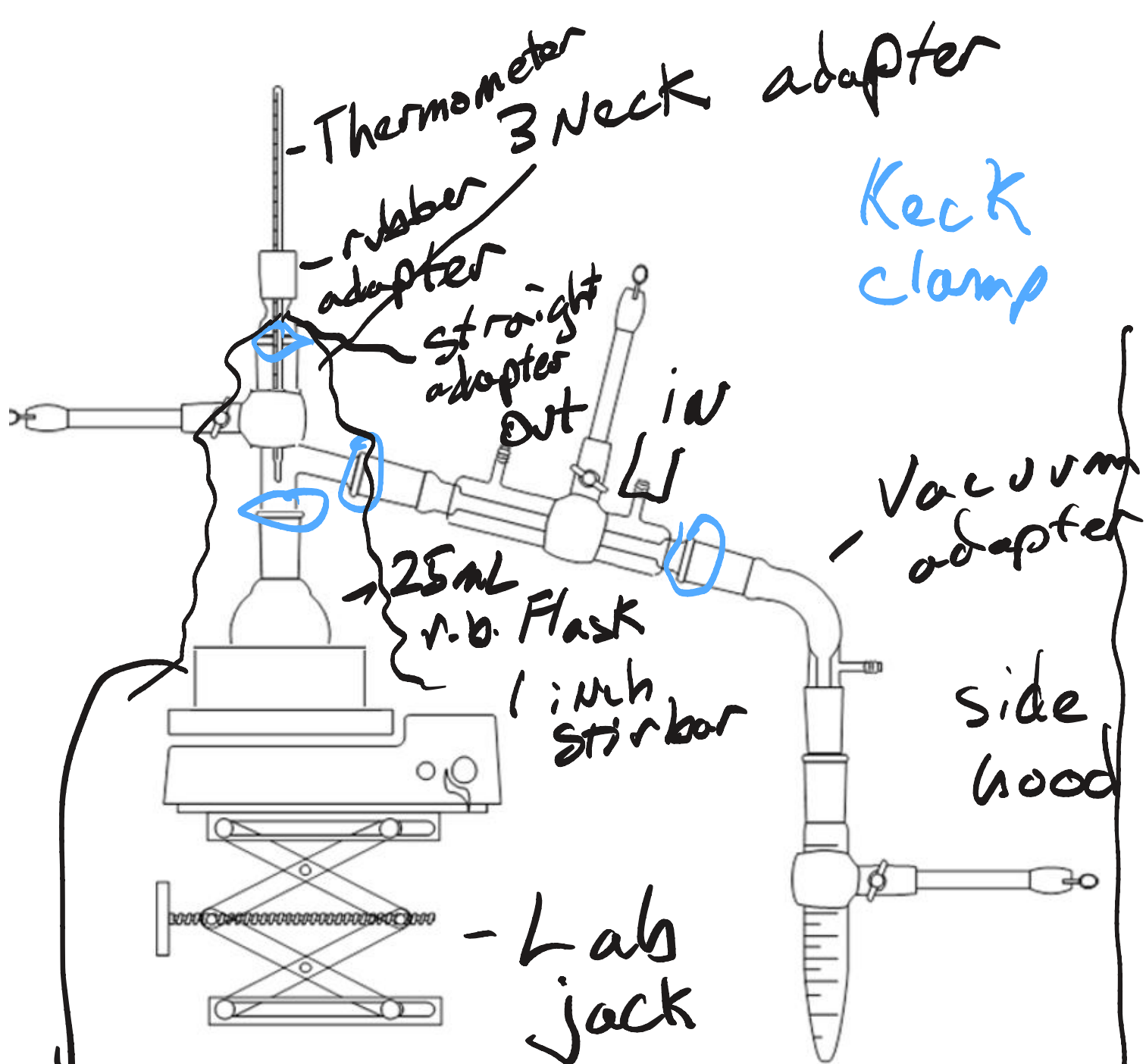
Simple distillation L/S





Fractional
Distillation

15 mL Acetone / Toluene
ratio?



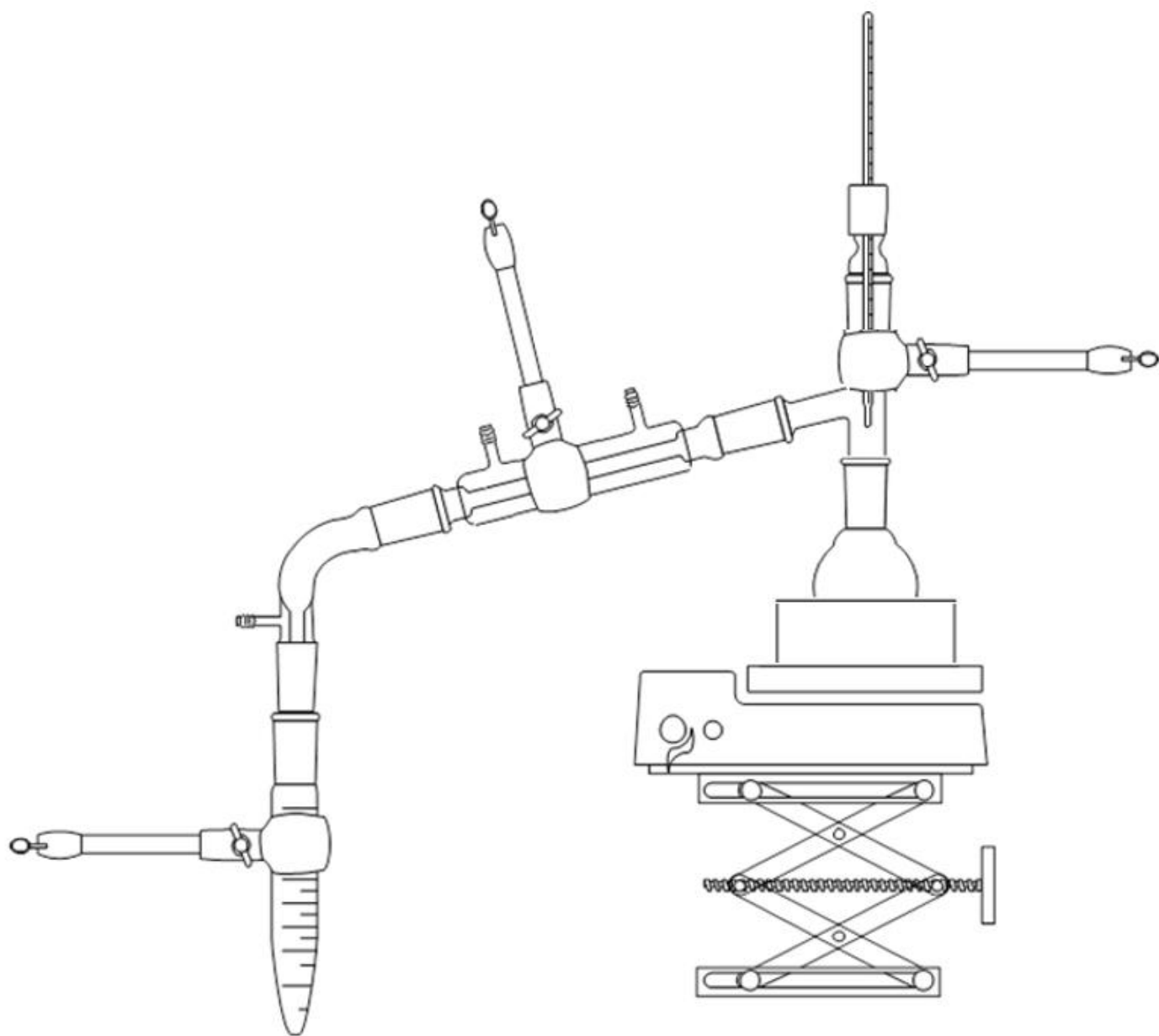
Keck
clamp

aluminum
Block

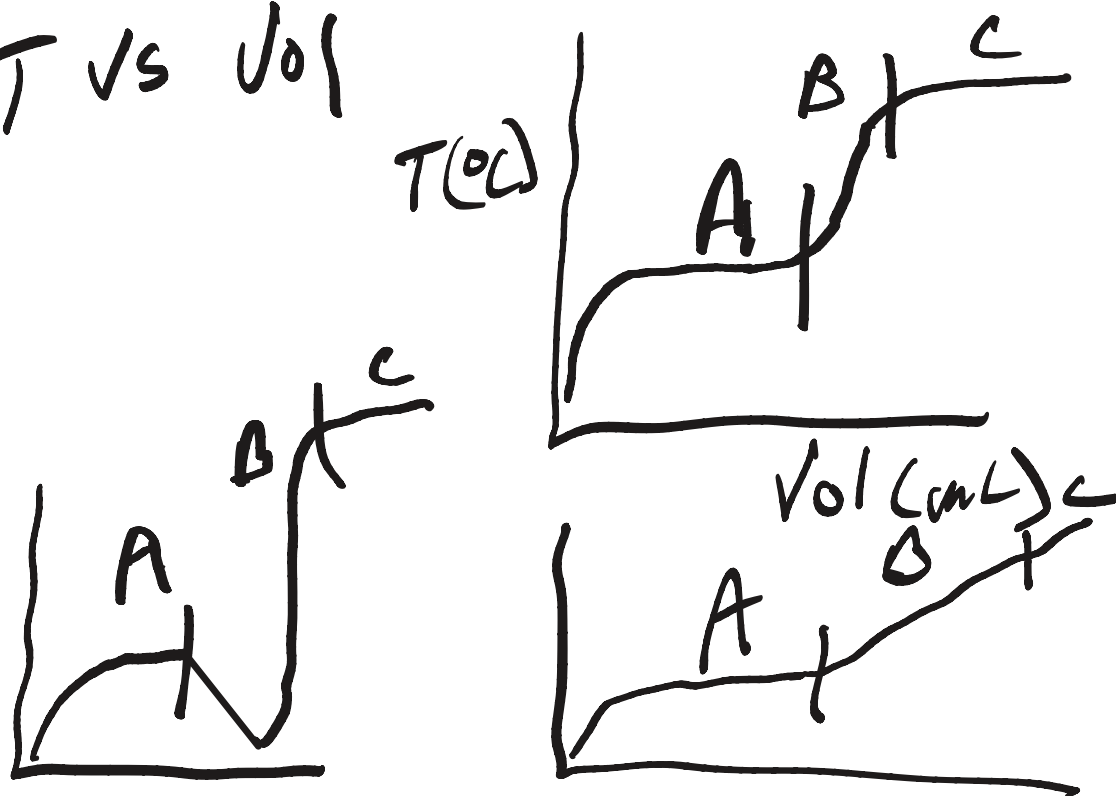
200 - 230

4-5

A, B, C



T vs Vol



Fraction	Volume (mL)	%A / %T
A	5	100 / 0
B	5	3
C	5	0 / 100

ratio?

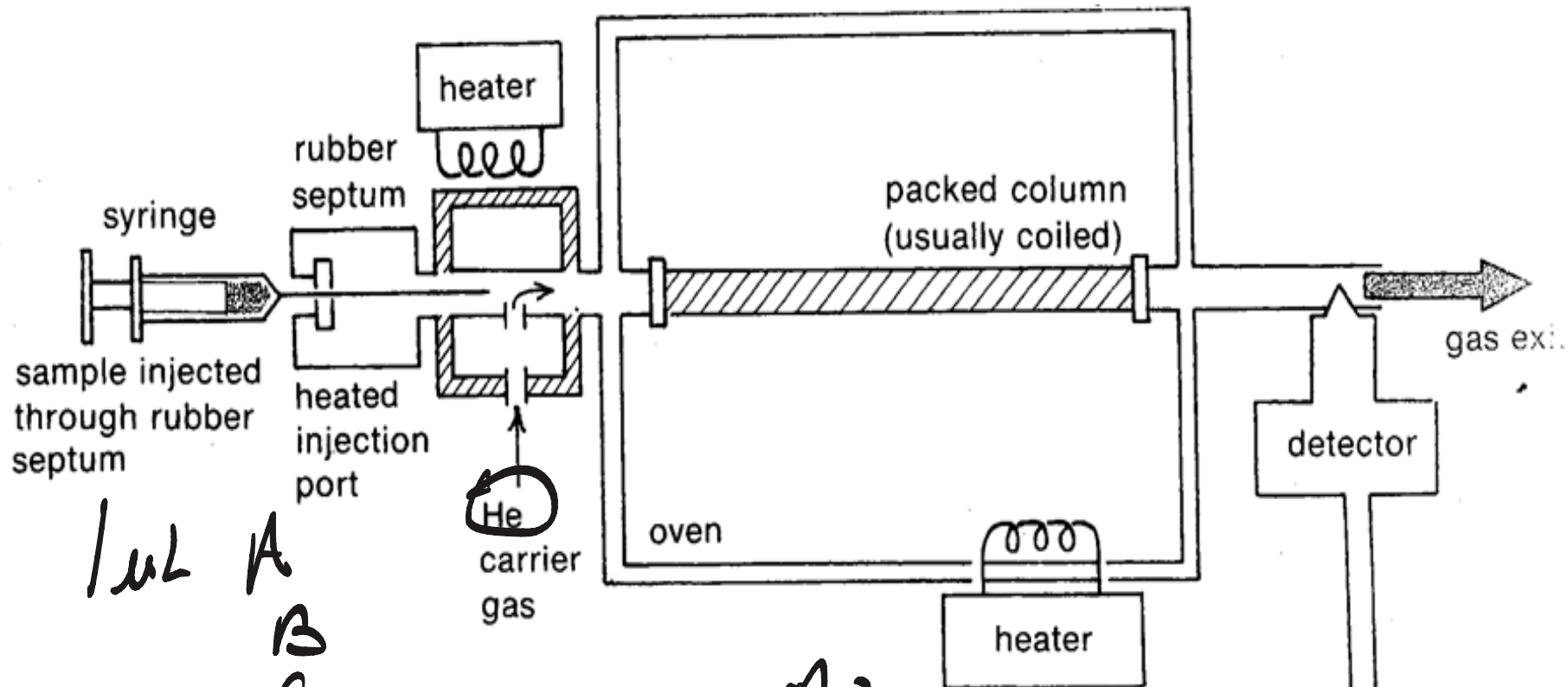
gas chromatography
polar stationary phase
Non polar mobile phase

like attracts like

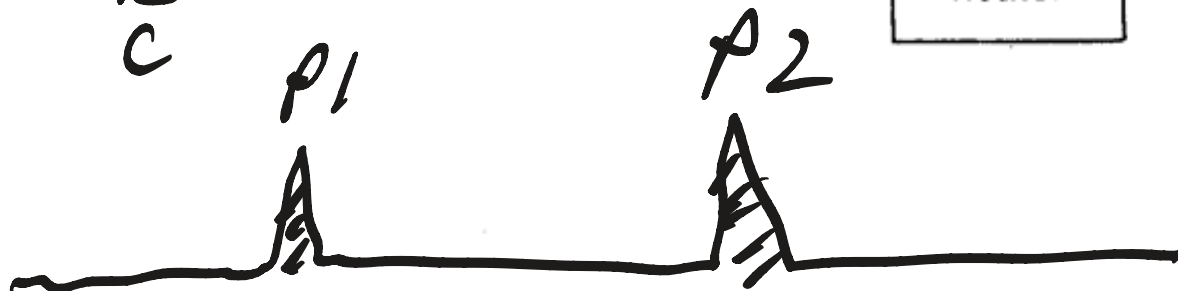
(P, NP) NP mobile
phase

BP increases

acetone
toluene



1 μ L A
B
C



P	R_t (min)	Area
1	0.5	1000
2	1.0	1000

2000

P	Area
1	1000
2	1000
	2000
	tst.
	P.A.

$$P1 \quad \frac{1000}{2000} \times 100$$

= % peak area

F	Vol (mL)	% A / % T	Vol (mL) A / T
A	5	90 / 10	4.5 / 1.5
B	5	50 / 50	2.5 / 2.5
C	5	0 / 100	0 / 50
			7 / 8

$$\frac{7}{15} \times 100 = \% A$$

$$\frac{8}{15} \times 100 = \% T$$

Don't discard A, B or C
regardless if TA or Friend
says it's OK.

