

Intermolecular - between

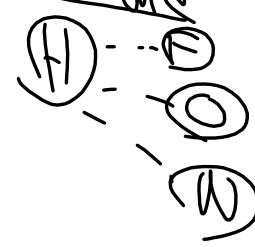
Interg
Inside

① Ion-Ion
 $\oplus \dots \oplus$

② Ion-Dipole
 $\oplus \dots \ominus$

③ Dipole-Dipole
 $\oplus \ominus \dots \oplus \ominus$

④ LDF $\rightarrow F = K \frac{q_1 q_2}{r^2}$

⑤ H bond


Dec 19-8:02 AM

Non-Polar




H
|
H - C - H
|
H

>

LDF

H
|
H - C - H
|
H

Instantaneous Dipole Moment (μ)

Dec 19-8:13 AM

Boiling $l \rightarrow g$

BP $H_2O = 100^\circ C$

BP $C_2H_5OH = 78^\circ C$ weaker IMF \rightarrow Lower BP
 less E to $l \rightarrow g$

$V P \geq P_{atm}$

Overcome IMF between molecules,
 $l \rightarrow g$

Dec 19-8:17 AM

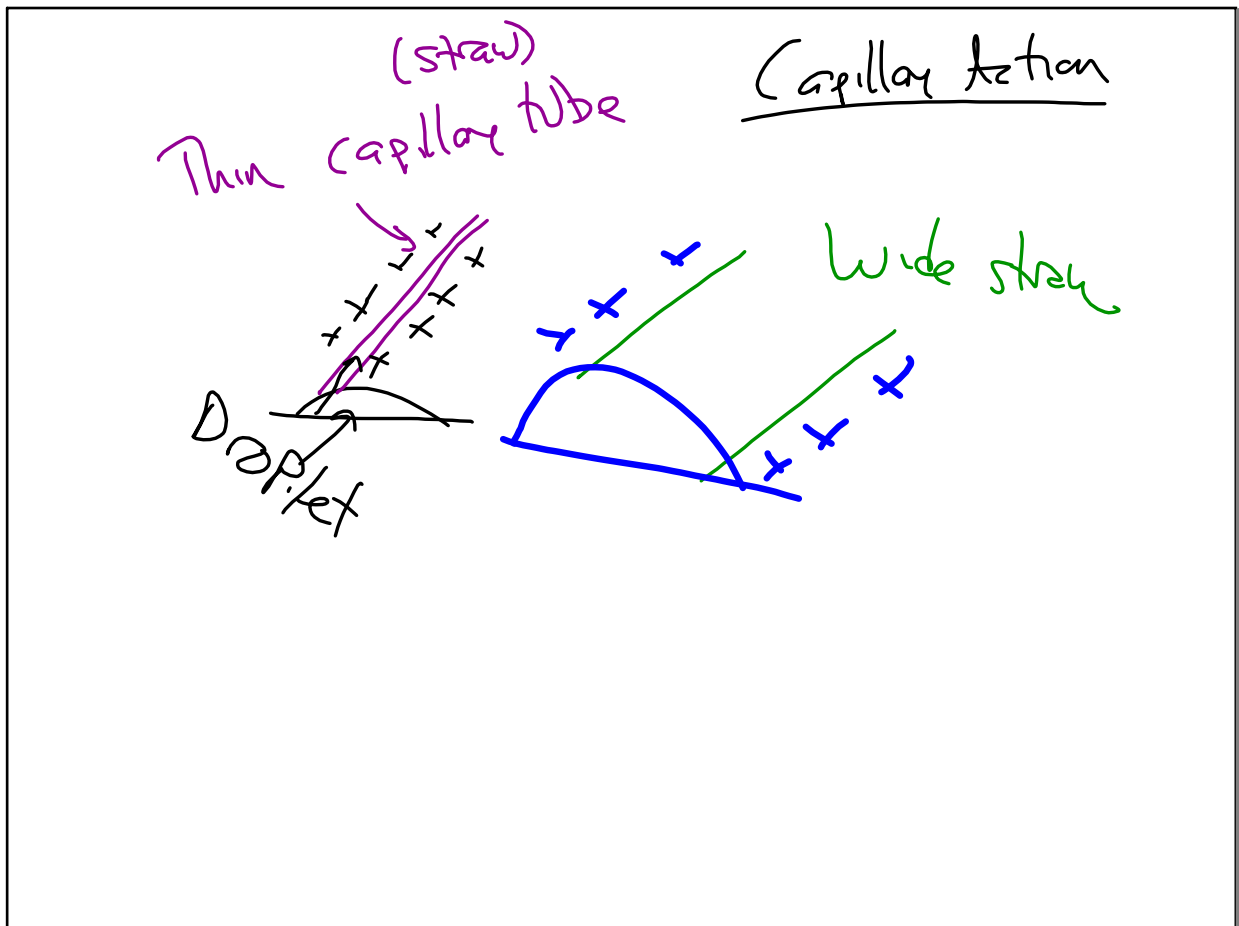
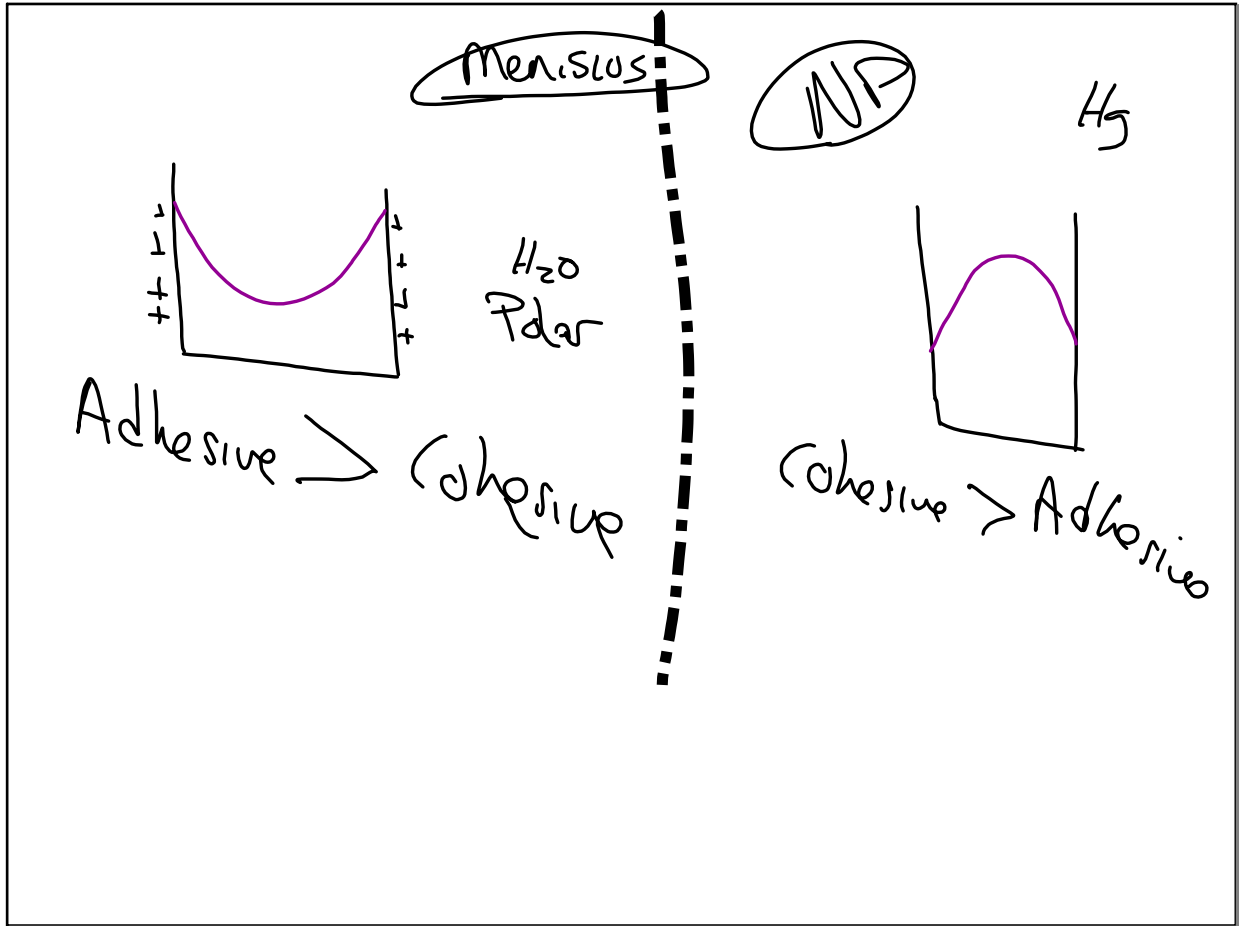
1 Feet (1st) ✓

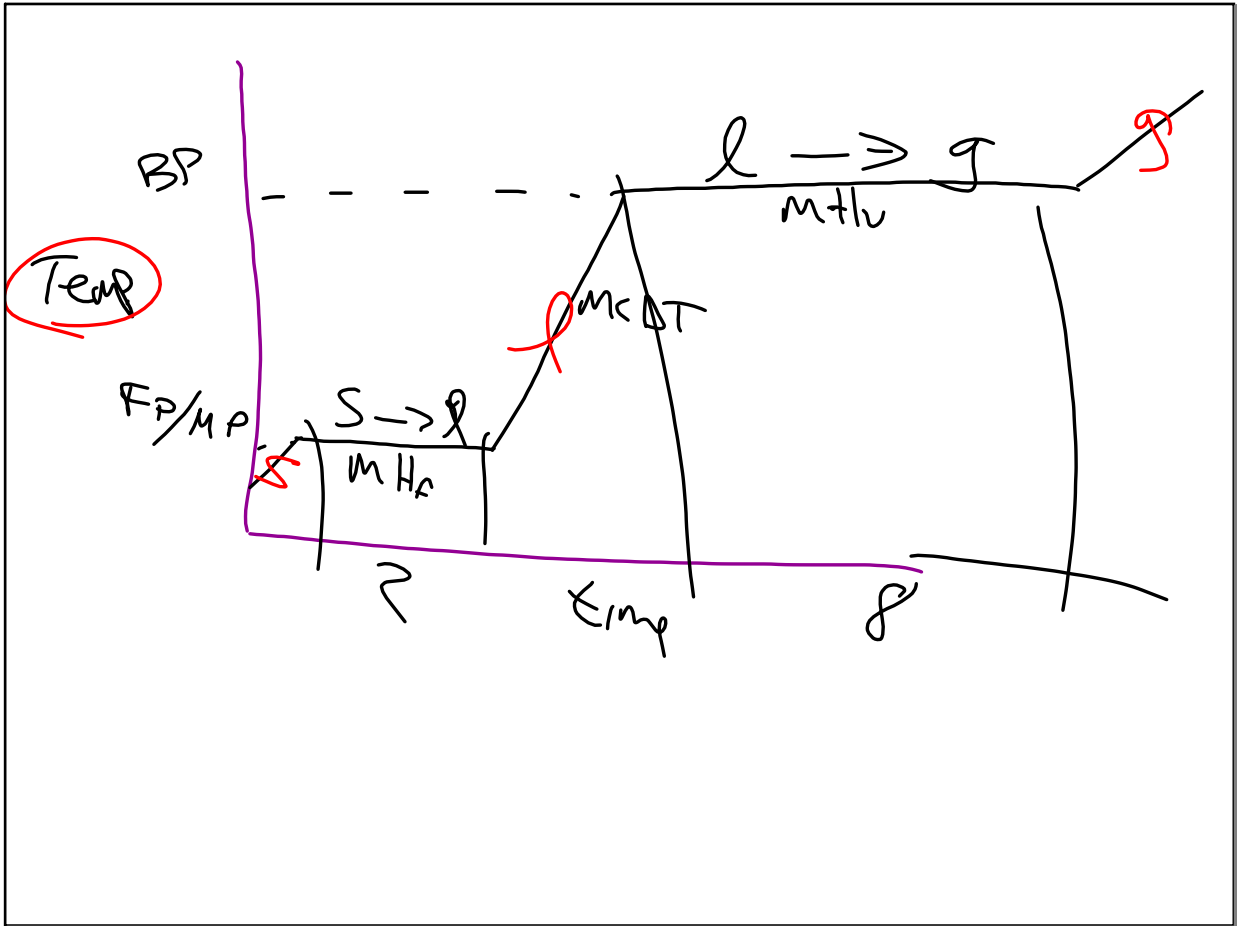
2 Head (1st) ✓

3 Belly flop \rightarrow over it!

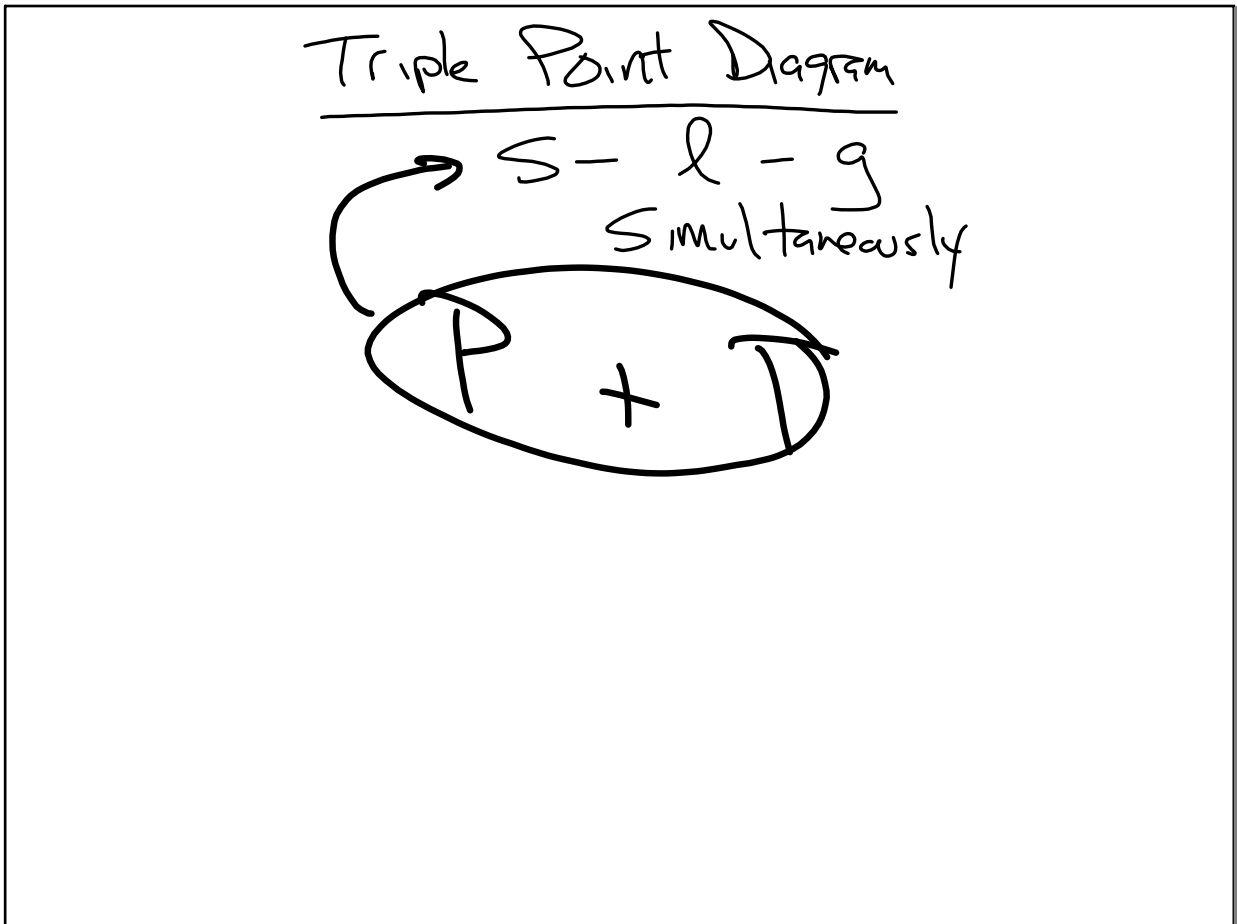
Pool

Dec 19-8:21 AM

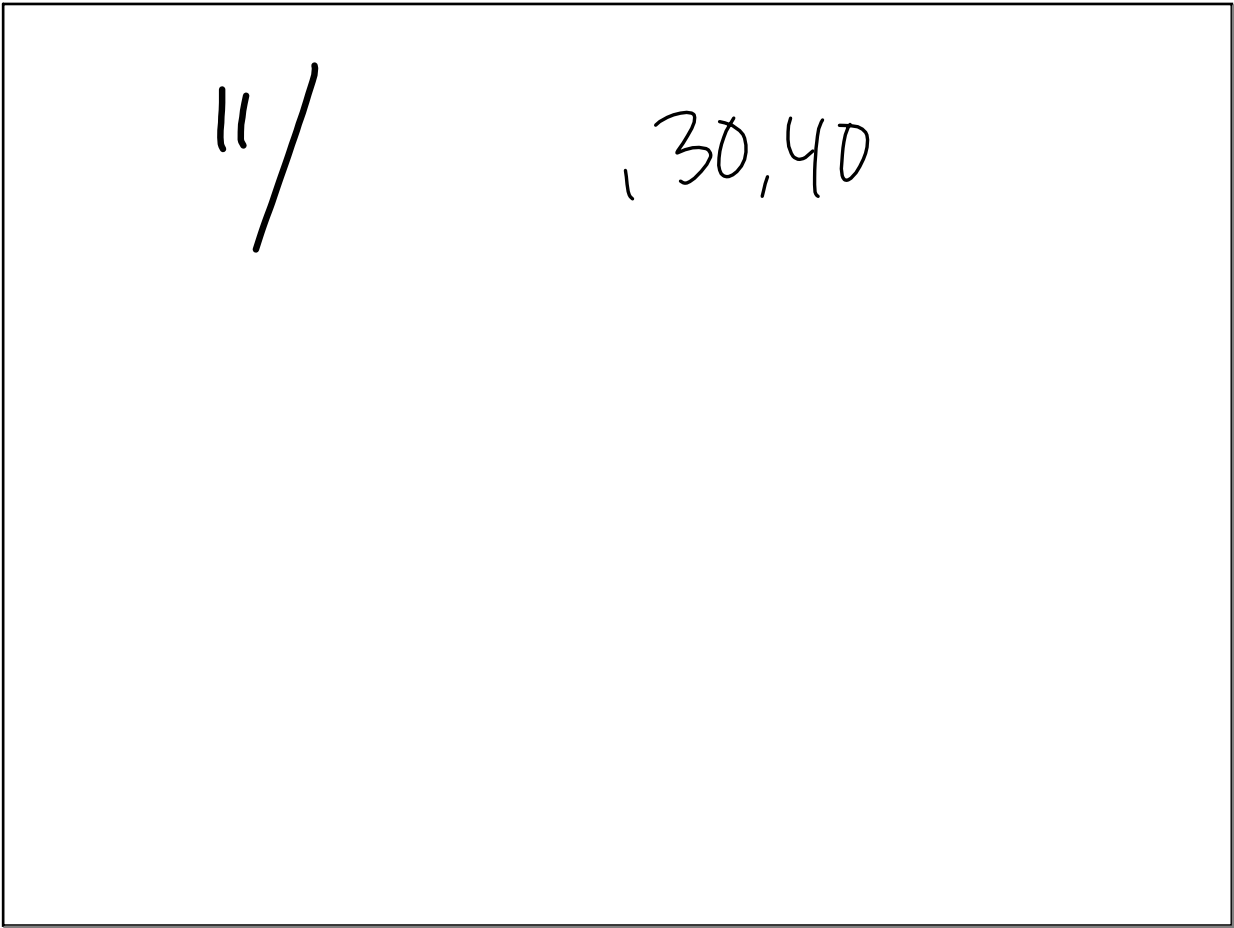




Dec 19-8:42 AM



Dec 19-8:44 AM



Dec 19-8:47 AM