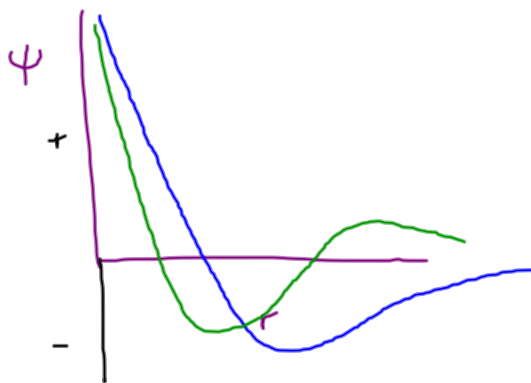


$$PV = nRT$$

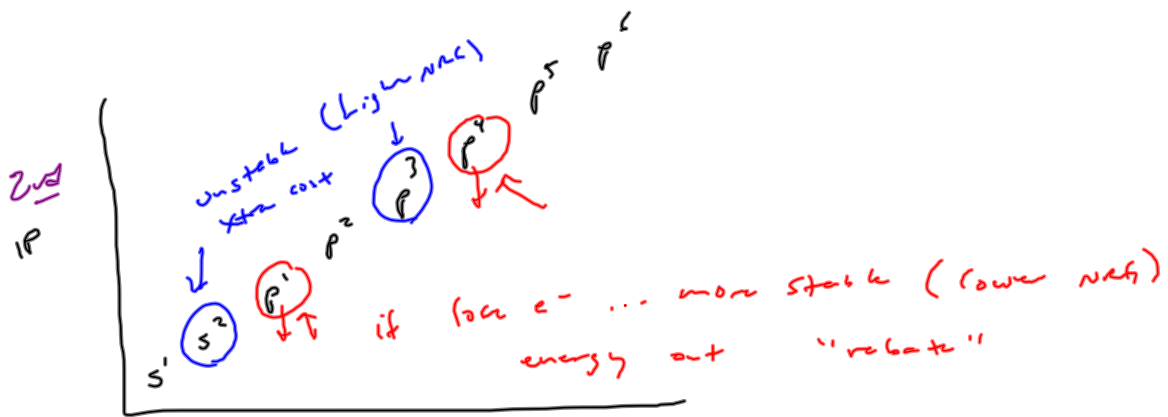
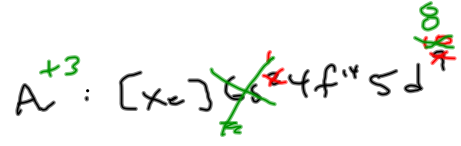
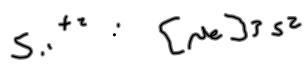
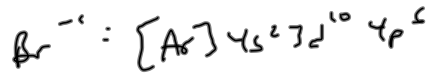
$$V = \frac{nRT}{P_{\text{CO}_2}}$$

$(273.15 + 91.3)$
 $P_{\text{atm}} - P_{\text{H}_2\text{O}}$

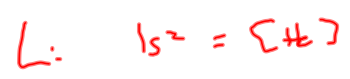


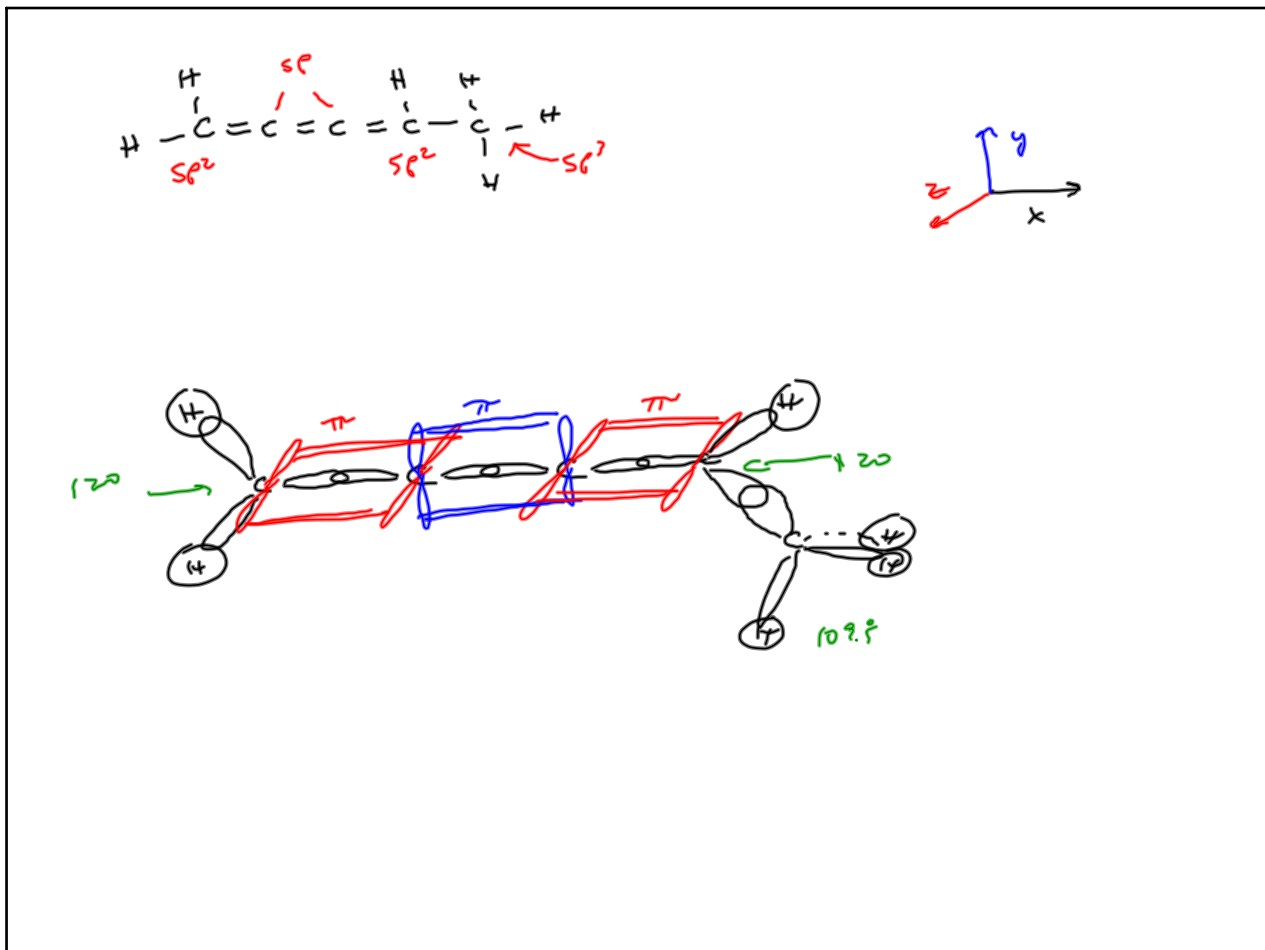
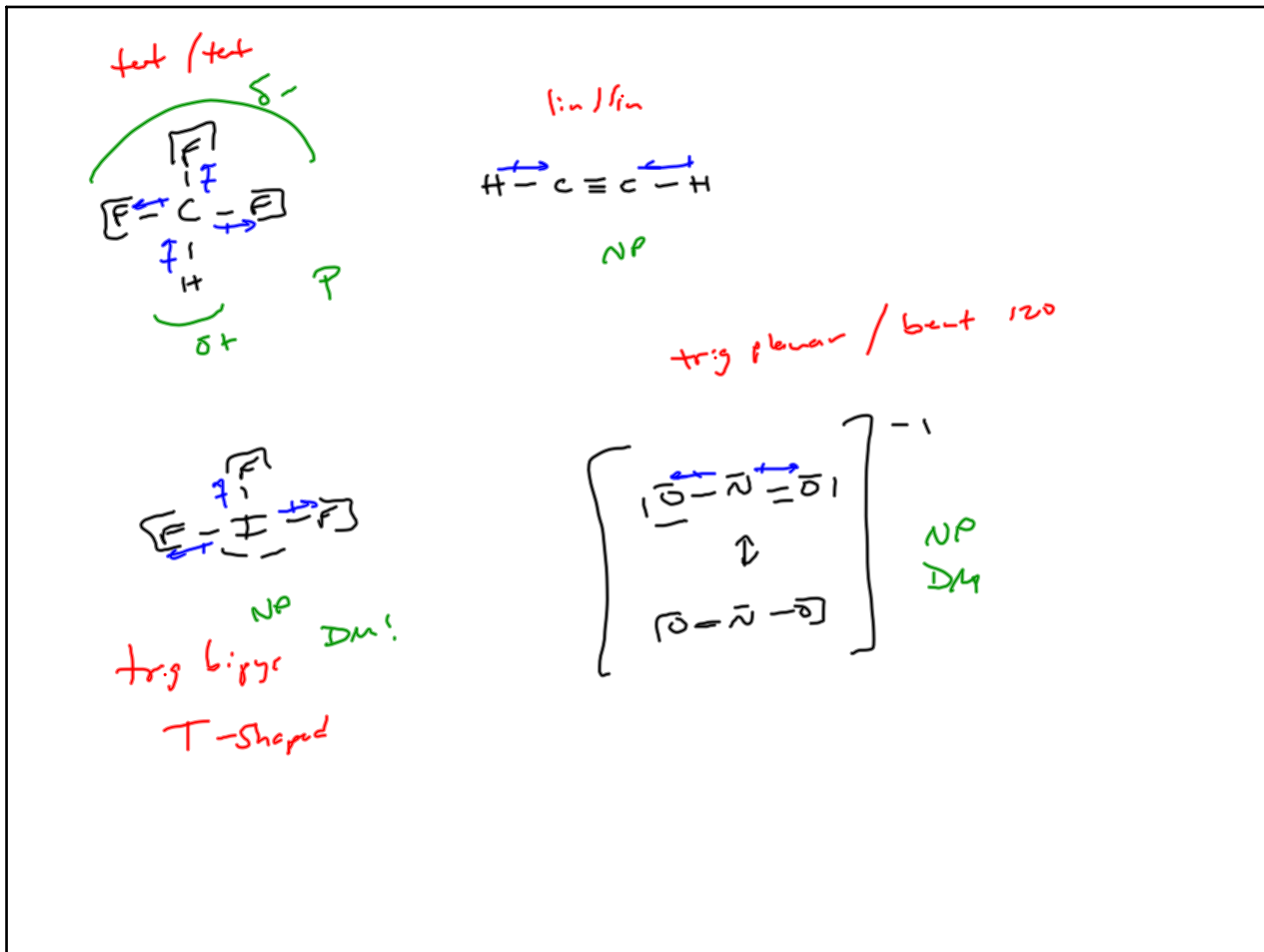
phase

→ bonds / antibonds



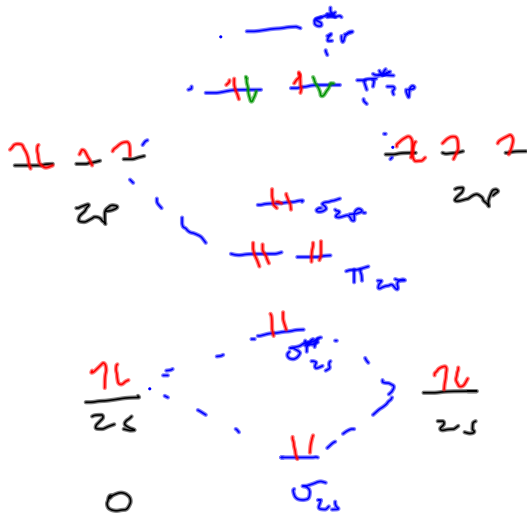
- s^1 p^1 s^2 p^2 p^4 p^3 p^5 p^6 L:
 B C B N F O Ne







$$B.O. = \frac{8 - 6}{2} = 1$$



diamag. = all paired

$V \downarrow P \uparrow \dots \rightarrow$ air pushed out until $P_{in} = P_{atm}$

$V \uparrow P \downarrow \dots$ $P_{in} < P_{atm}$ - A pushed up

l.f. ... some out ... $V \uparrow P \downarrow$
until $P_{in} + \text{gravity} = P_{atm}$

$V \downarrow P \uparrow$ push out

