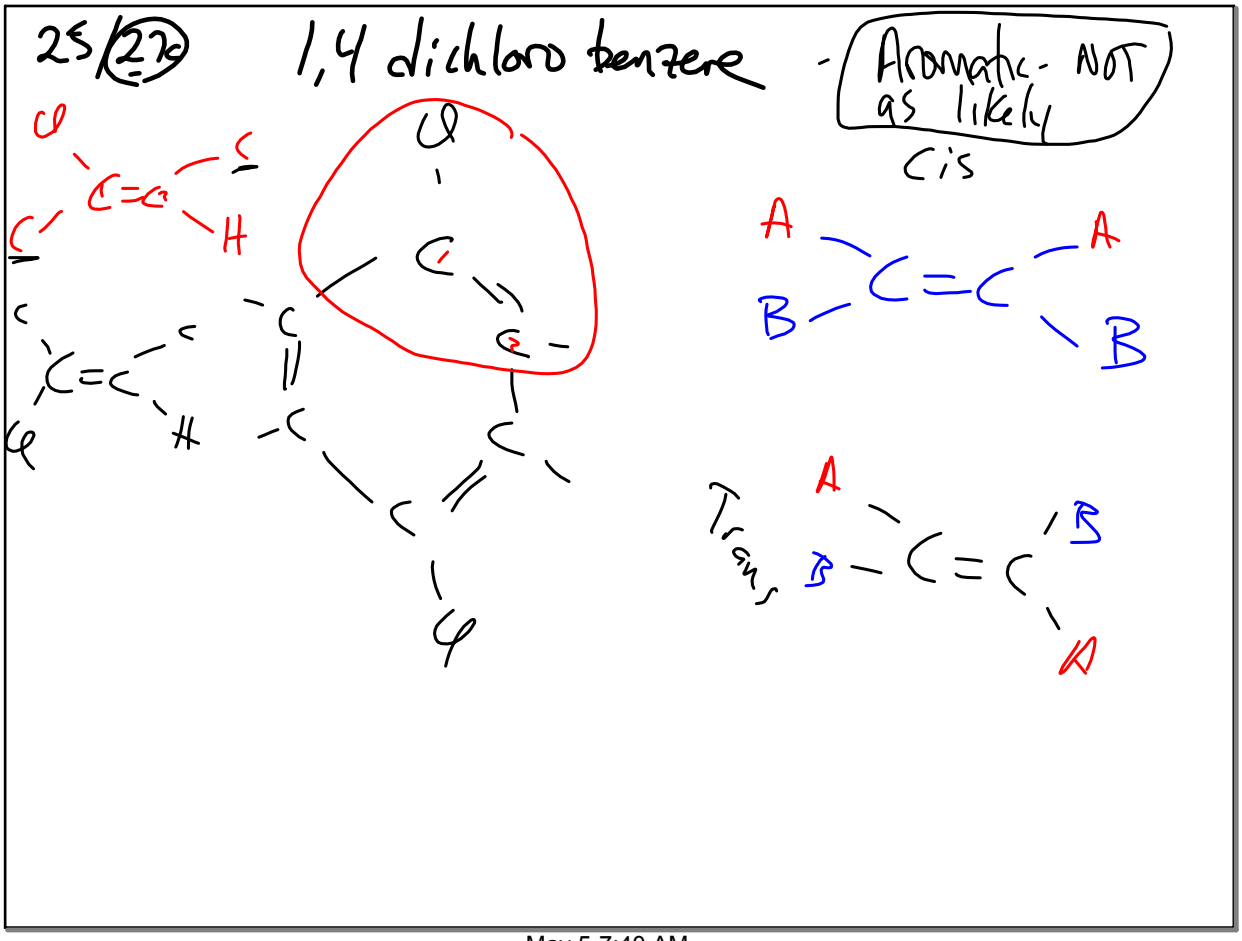
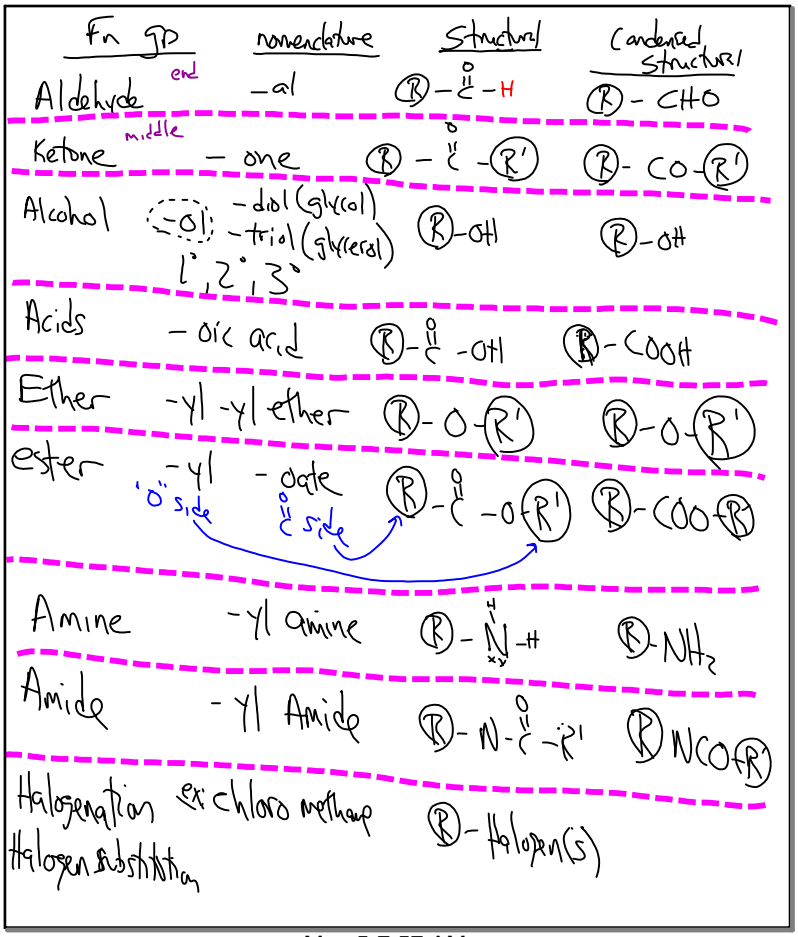


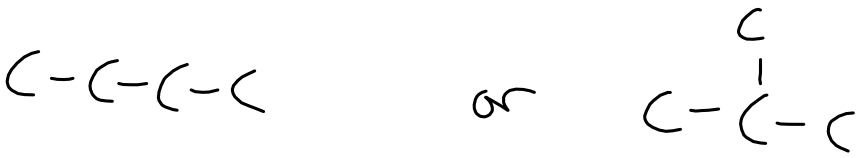
May 5-7:40 AM



May 5-7:57 AM

Isomer

Same Molecular formula ⇒ different Structural formula



Constant Same # of each element.

May 5-8:17 AM

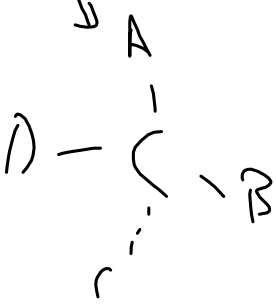
Chiral structures

"Non-superimposible mirror images"

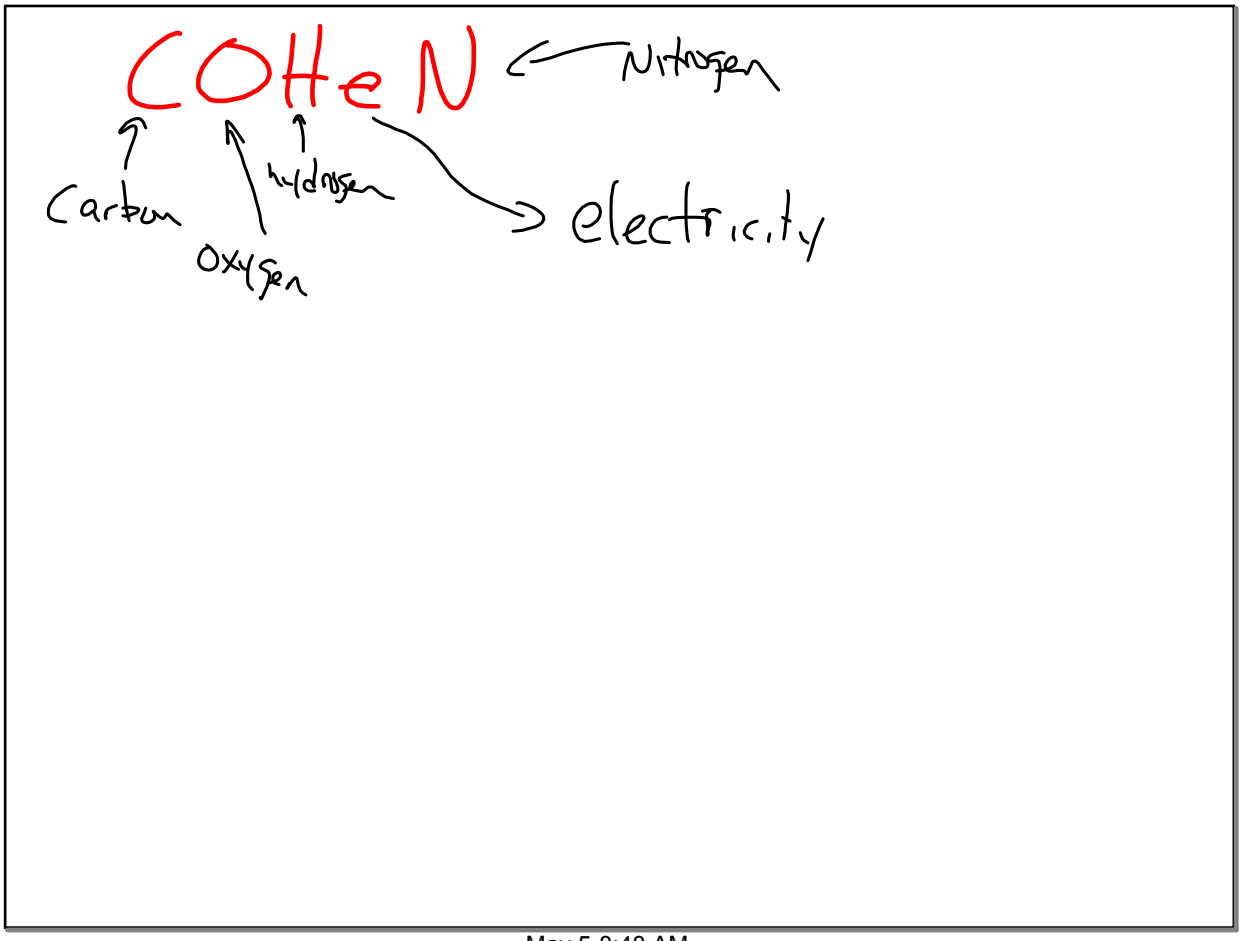
→ enantiomers of each other

4 different **LIGANDS** "limb"

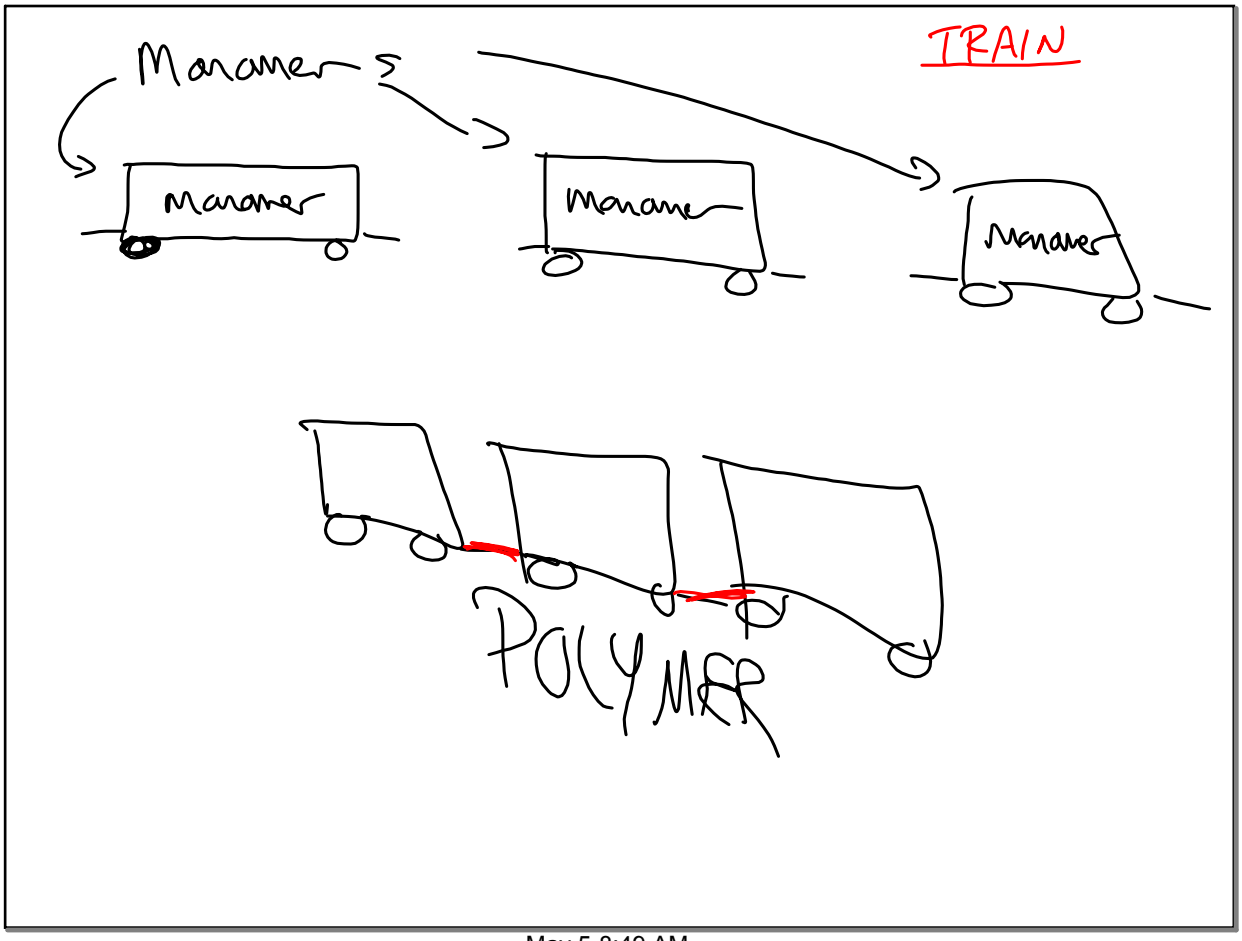
(L) + (R) hand



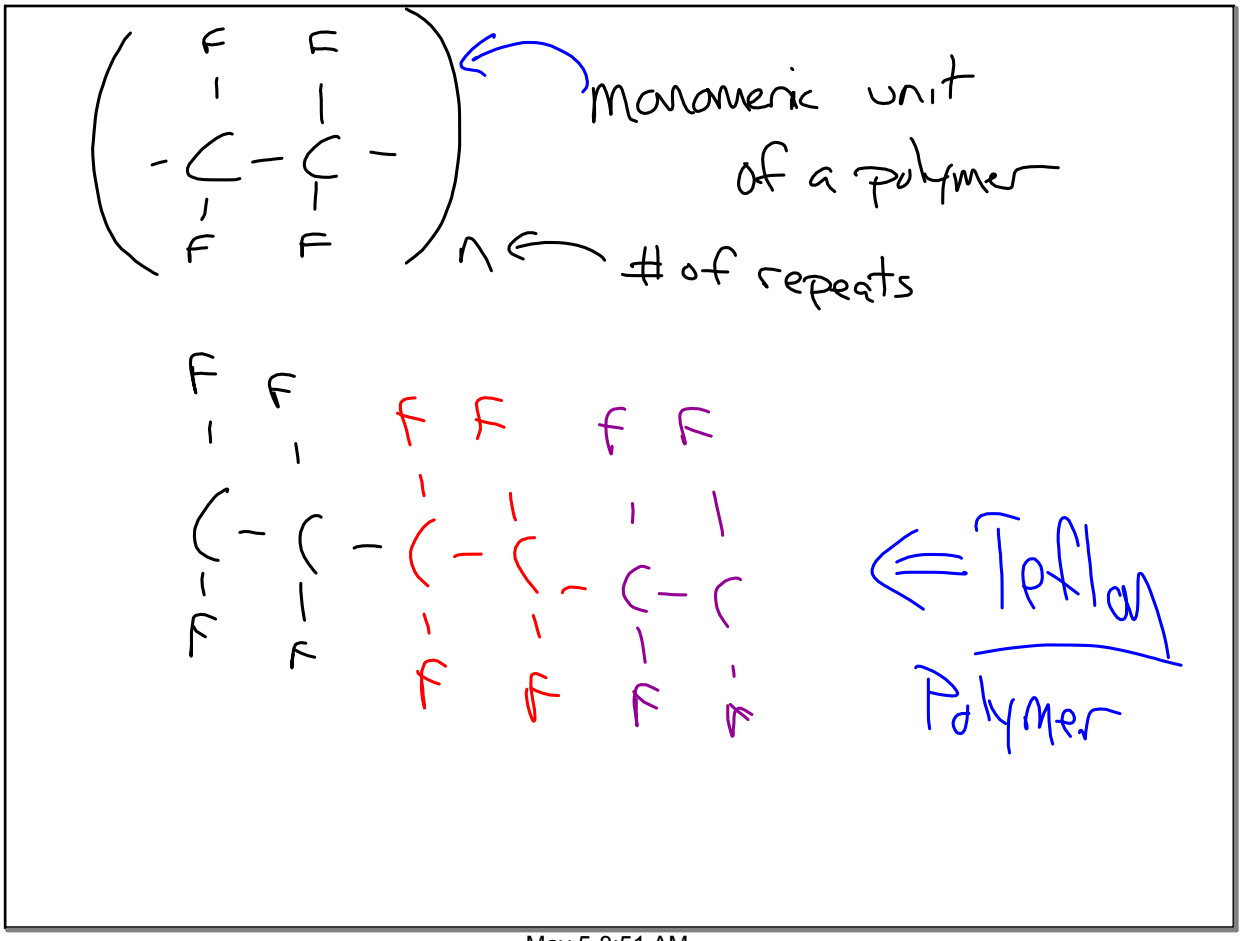
May 5-8:21 AM



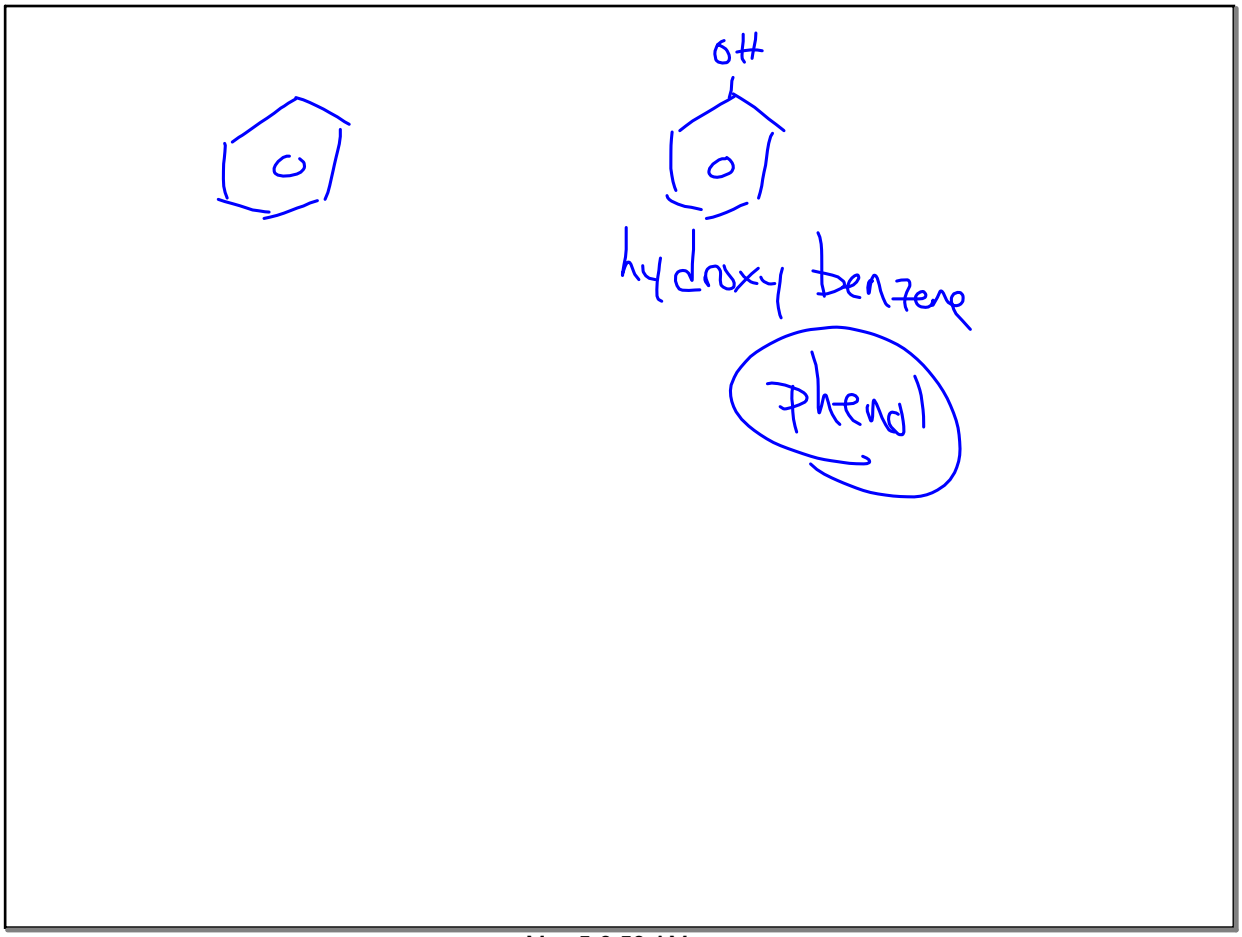
May 5-8:48 AM



May 5-8:49 AM



May 5-8:51 AM



May 5-8:58 AM

(4) $\frac{80}{16} = 5$ half lives.

100% ① → 50 ② → 25 ③ → 12½ ④ → 6¼ ⑤ → 3⅛

$\ln A_t = -kt + \ln A_0$

$\ln A_t = -(0.0433)(80) + \ln(10)$

$A_t = 0.3127\ mg$

$k = \frac{0.693}{16}$

$k = 0.0433$

$\% = \frac{\text{Part}}{\text{Whole}} * 100$

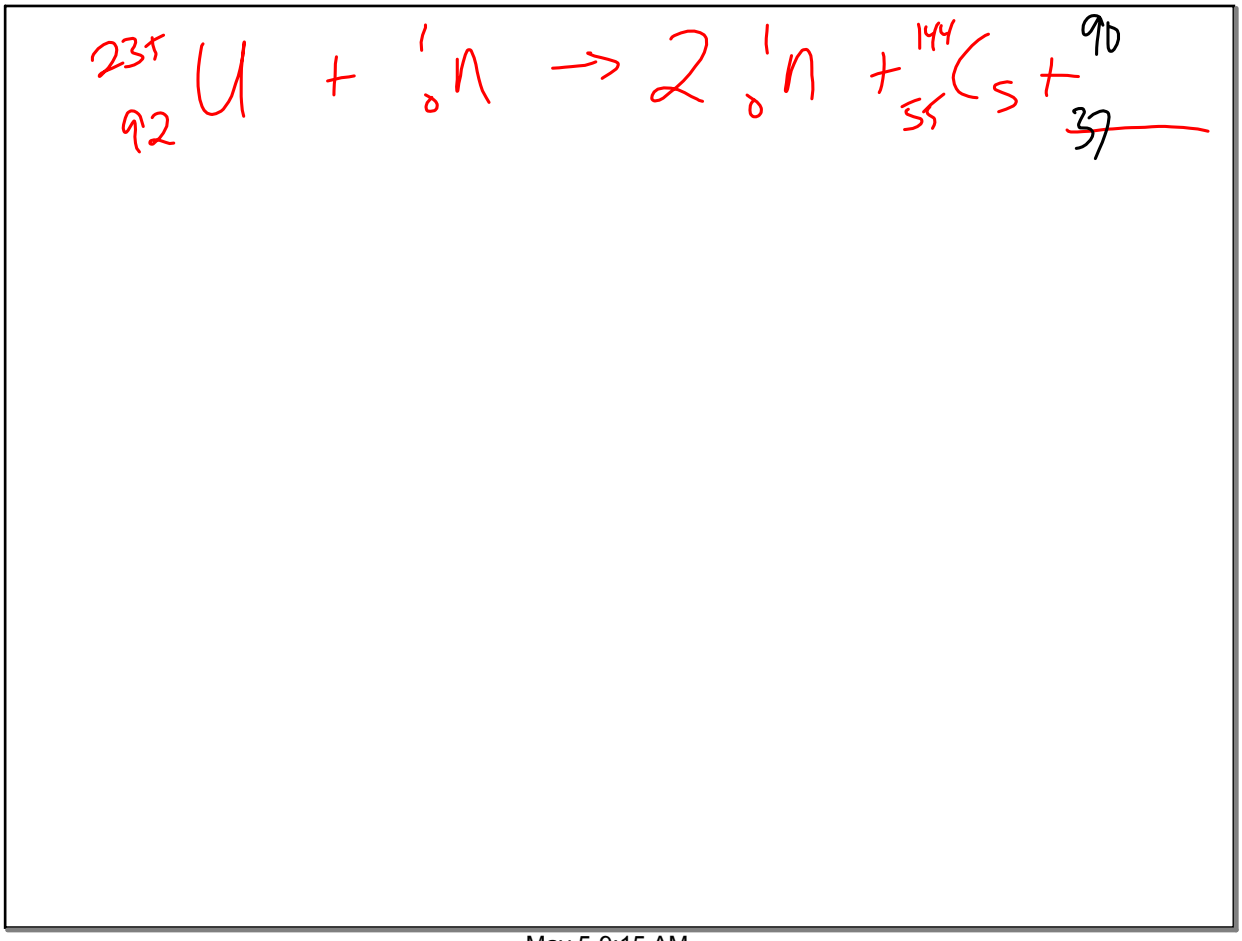
$\frac{0.3127}{10} * 100 = 3.127\%$

May 5-9:10 AM

$^{85}_{36}Kr \longrightarrow {}^{85}_{37}Rb + {}^{0}_{-1}e^-$

~~β~~ particle

May 5-9:14 AM



May 5-9:15 AM