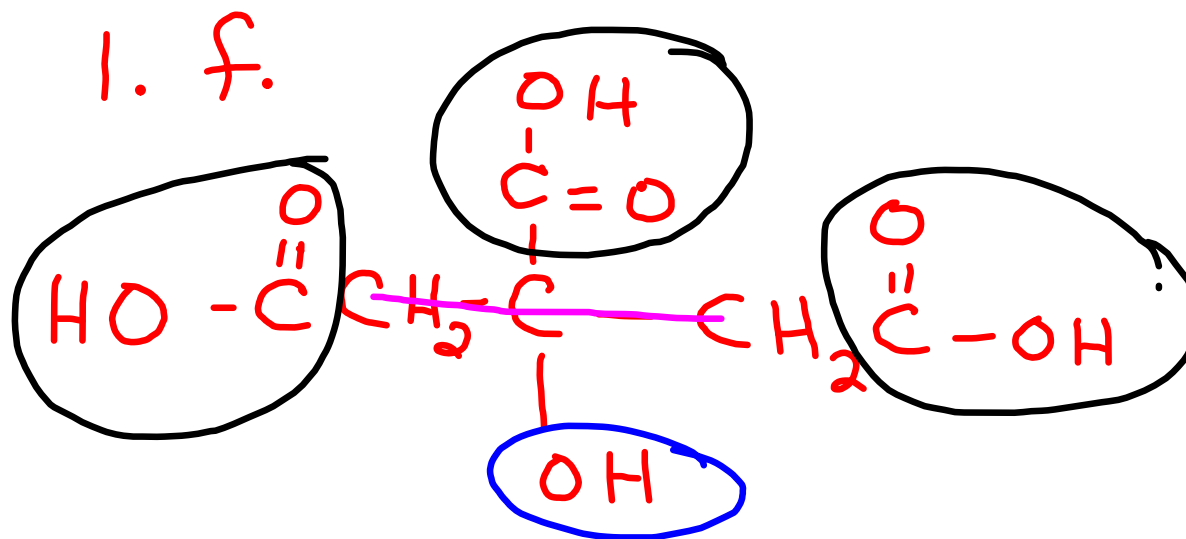
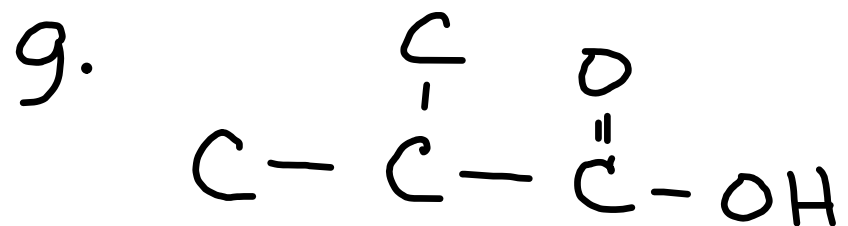
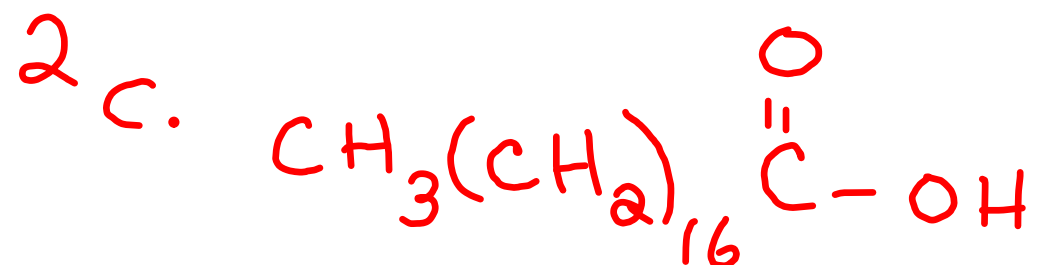




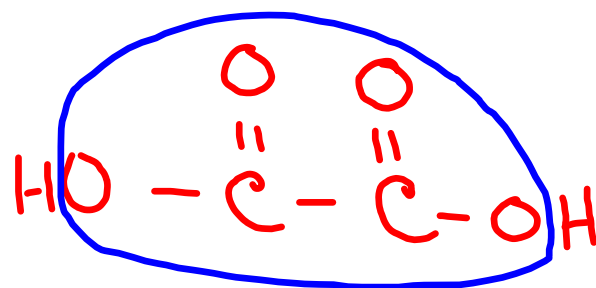
$\text{C}(=\text{O})\text{OH}$ carboxy
 2-hydroxyl-
 propane
 1,2,3-tricarboxy



2 methyl propanoic acid

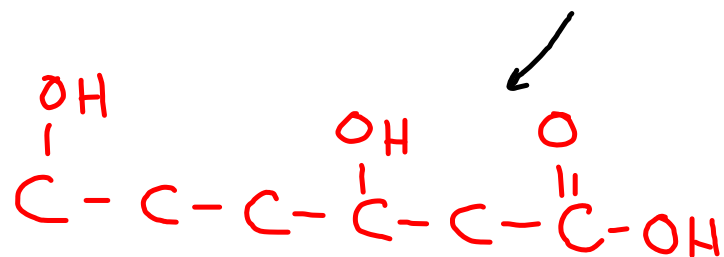


f.



anhydride

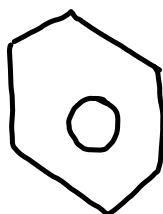
6. a. Y b. N c. Y



d. N e. N f. N

g. Y h. N i. N

j. N k. N l. Y



m. N n. Y o. Y

7.

a. 1 and 4 (all single bonds)

b. 2 and 3 (triple or double bonds)

c. 2 (poly = more than 1)

d. 3 (mono = single)

e. none (carbon chains are too long)

f. 2, 3 (b/c of double bonds)

g. 1, 4



h. 2, 3, 1, 4
poly mono C₁₄ C₁₆

i) none

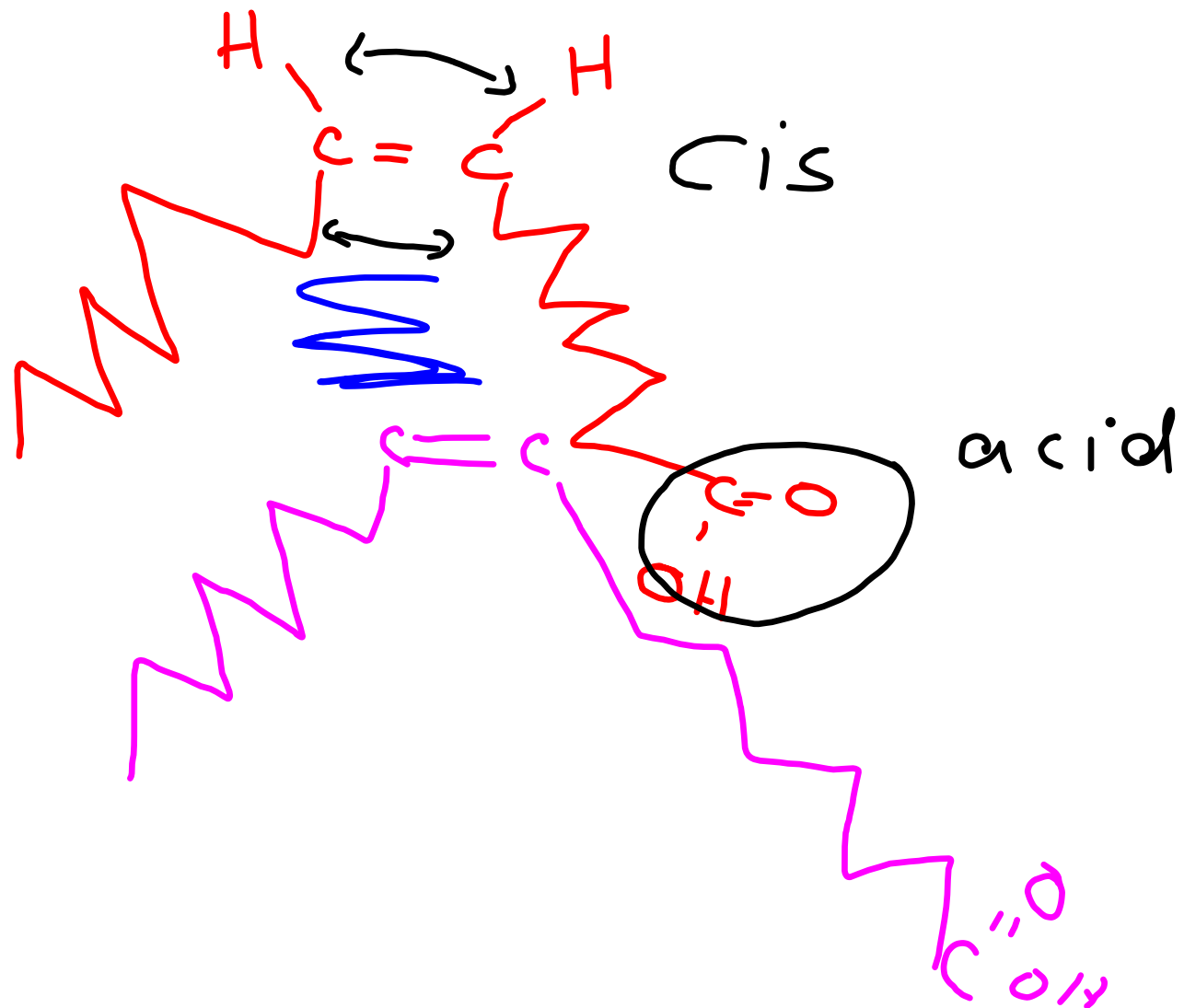
j) 2, 3, 1, 4

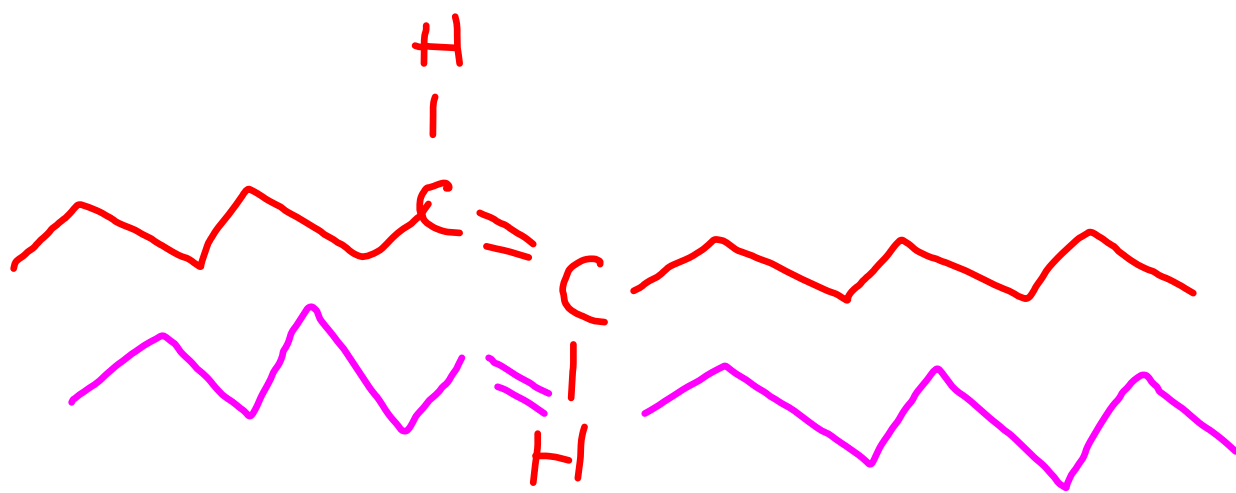
↑
best

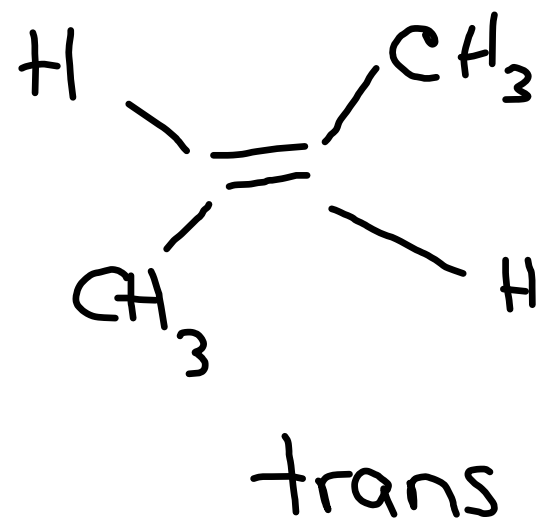
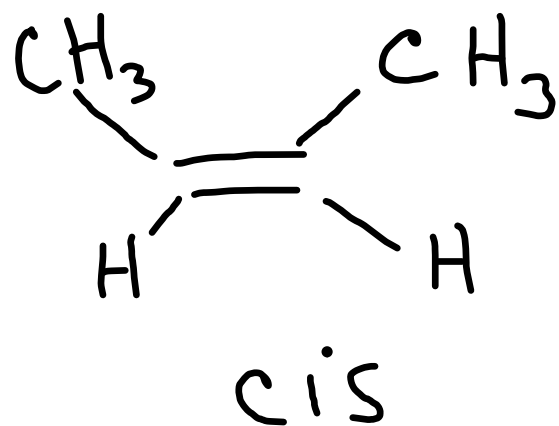
↑
worse

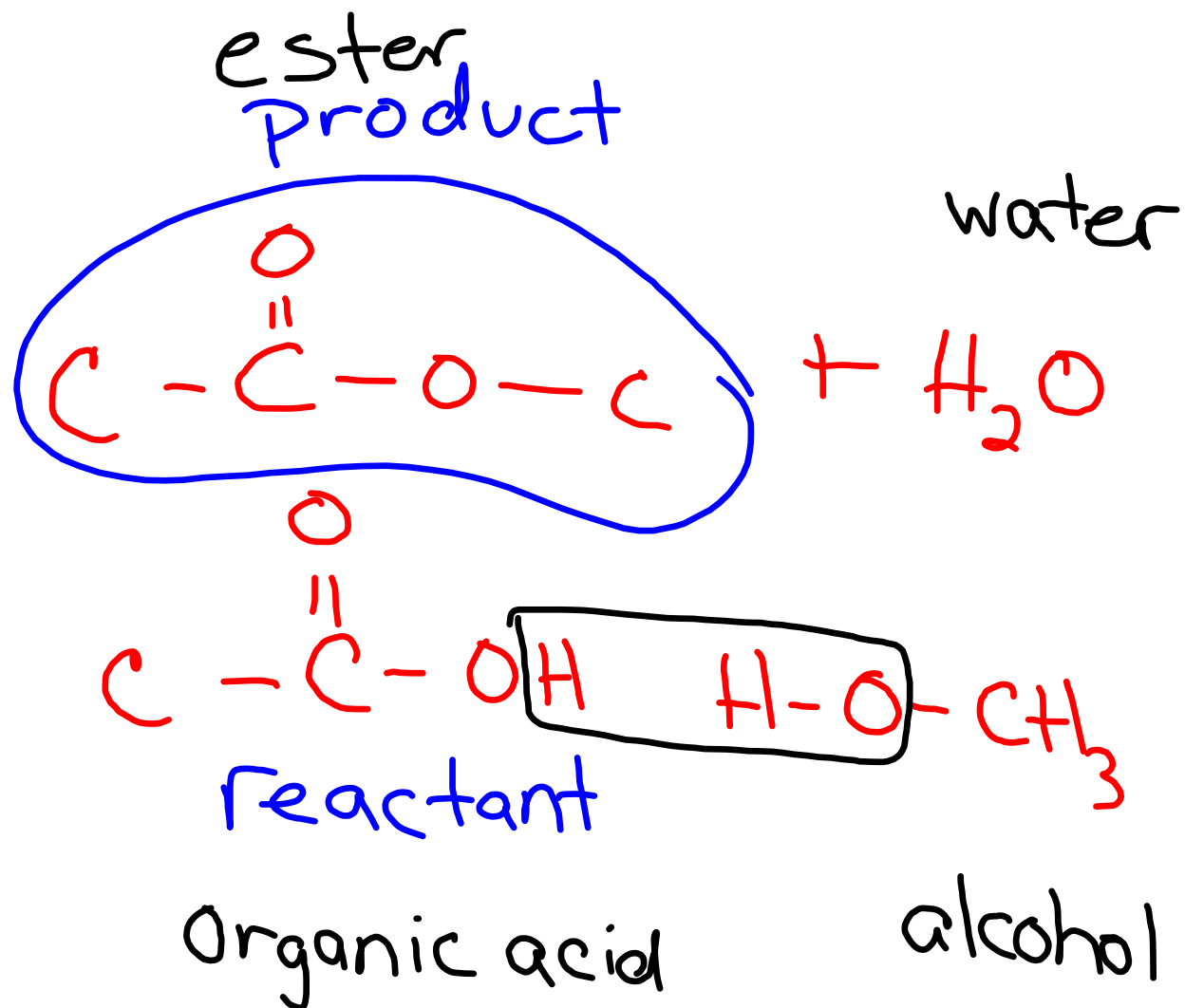
k)  1, 4

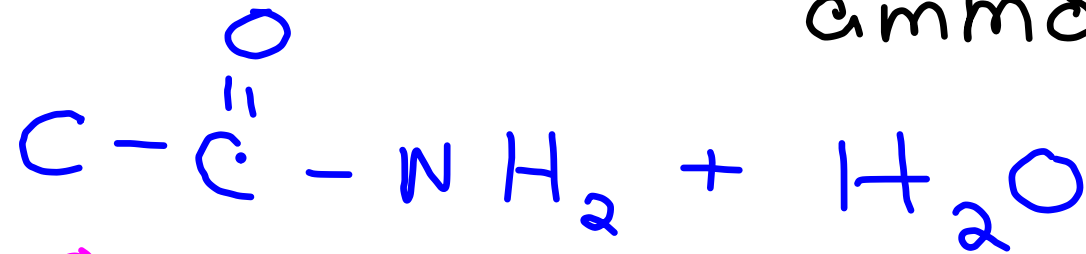
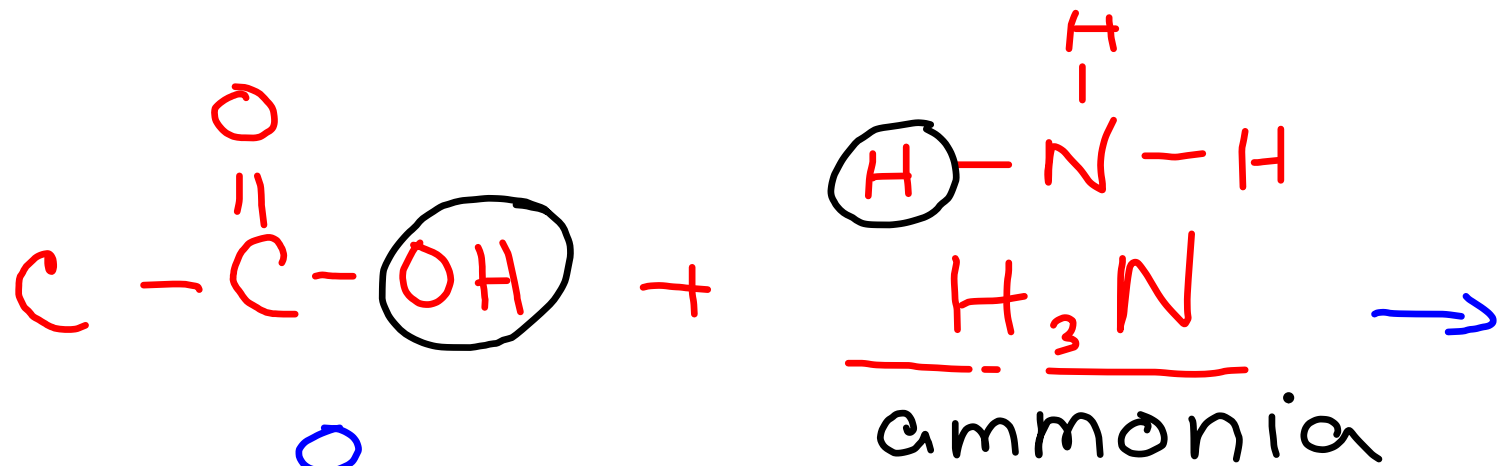
l) all

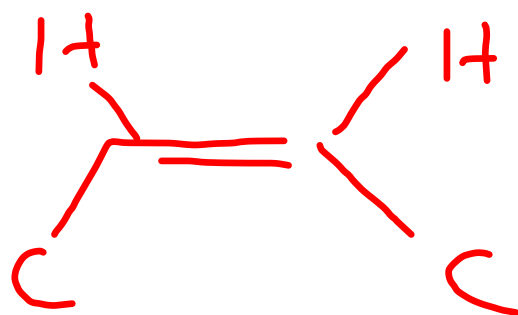




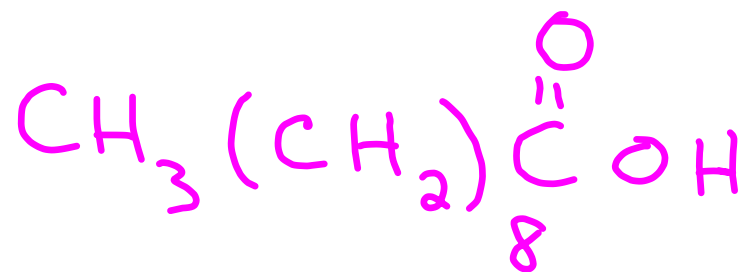




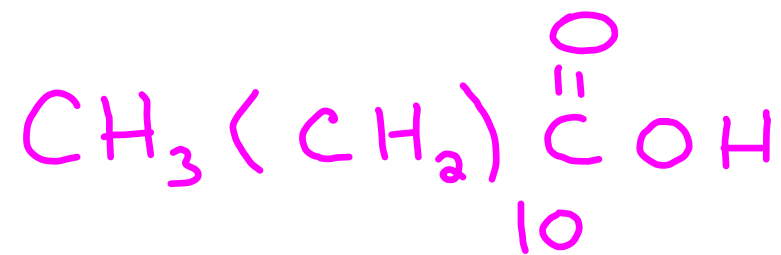




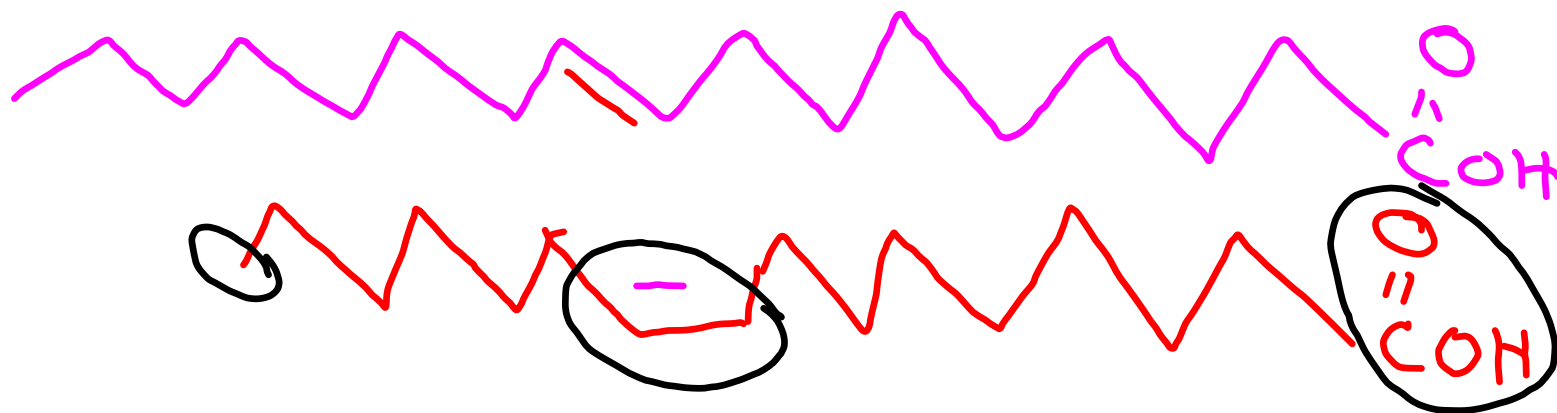
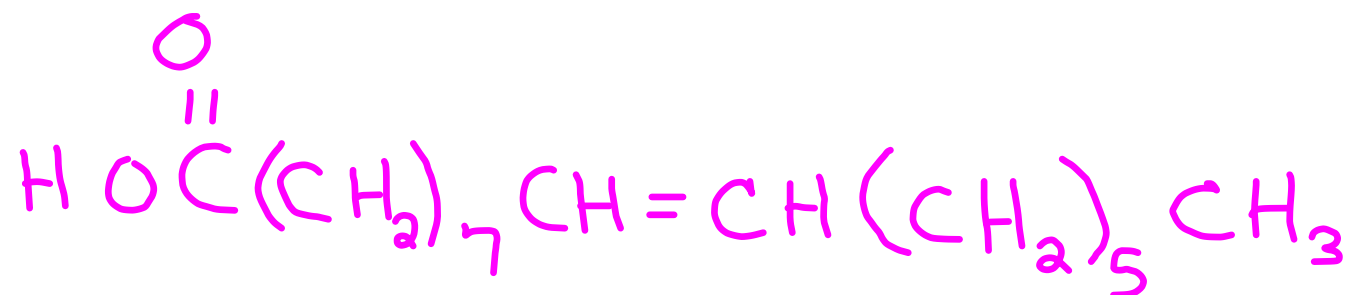
10 Cs
10:0 ← no = bonds
totally saturated



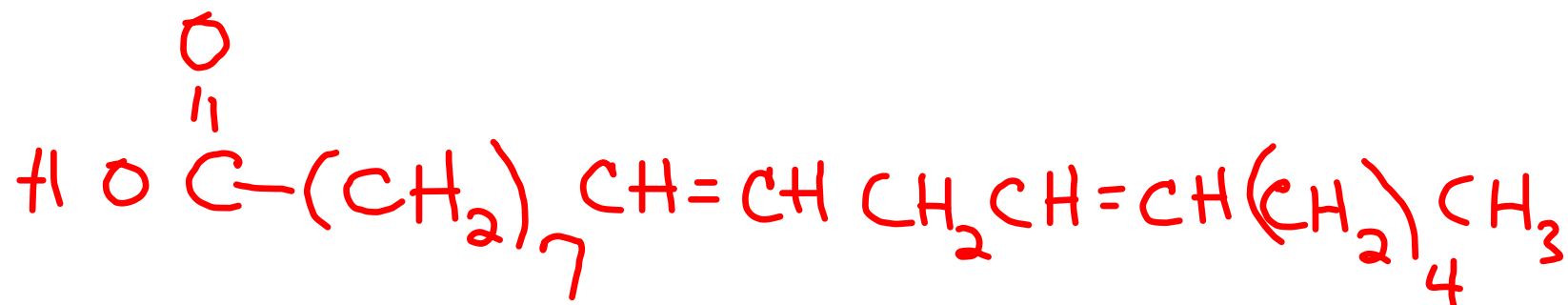
12:0



16 Cs
 $16:1^{\Delta 9}$ in the 9th C
 1 =



18:2^{Δ9,12}



22: 6 $\Delta^{4,7,10,13,16,19}$

