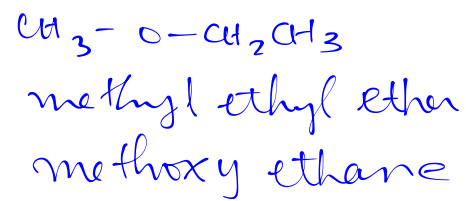
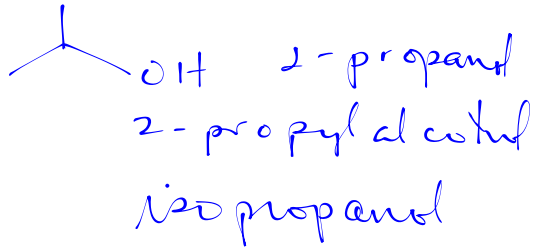
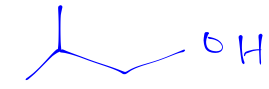


HW 8-26 1.20 1.22 1.23 1.24

2.1 2.2 2.3

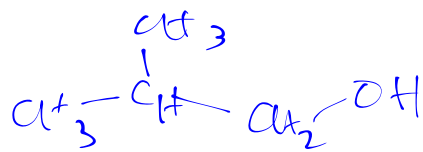
1.20 C_3H_8O $CH_3CH_2CH_2OH$ propanol 1-propanol propyl alcohol



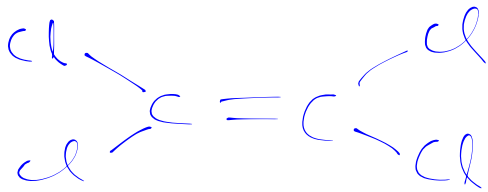
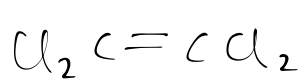
1.22 $(CH_3)_2CHCH_2OH$ 

iso butanol

2-methyl propanol



I will cheat and omit C-H bonds

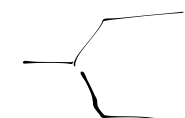



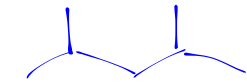
tetrachloro ethene

tetrachloro ethylene

perchloro ethylene

per = all H's are now Cl's

1.23  same as  $CH_3CH_2\overset{CH_3}{CH}-CH_2CH_3$ 2-methyl pentane

1.24 $(CH_3)_2CHCH_2CH(CH_3)_2$  2,4-dimethyl pentane

2.1 C_nH_{2n+2} if $n=14$ $2n+2=30$
 $C_{14}H_{30}$

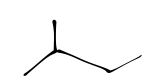

2.2 alkanes have the formula C_nH_{2n+2}

a. $n=7$ $2n+2=16$ **NOT!** C_7H_{18}

b. $n=7$ $2n+2=16$ Yes C_7H_{16}

c. C_8H_{16} $2n+2=16$ $n \neq 7$ **NOT!**

d. $C_{27}H_{56}$ $n=27$ $2n+2=56$ yes

2.3  2-methylbutane (iso pentane)  + 2,2-dimethyl propane (neo pentane)