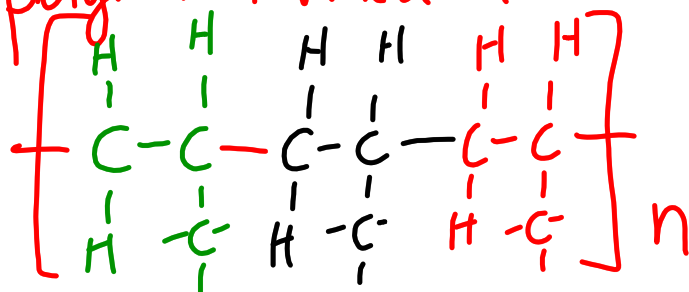


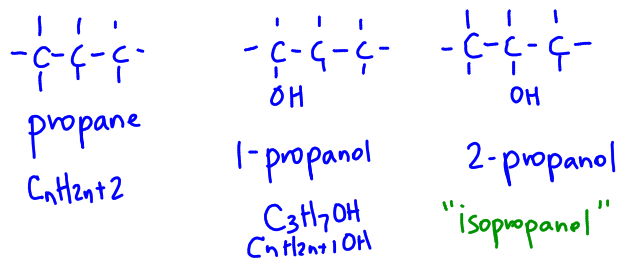
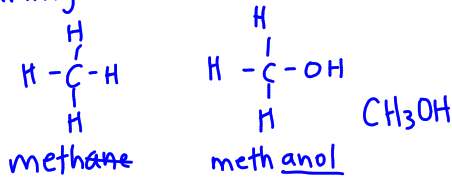
show 3 repeating units from a polymer formed from 1-propene



**ALCOHOLS**

• functional group: -OH (hydroxyl group)

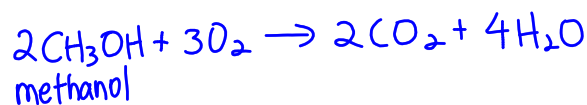
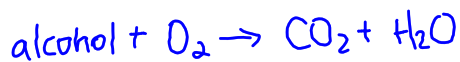
• naming:



•  $C_nH_{2n+1}OH$

• -OH is polar, ∴ an alcohol is more soluble in H<sub>2</sub>O than its corresponding alkane

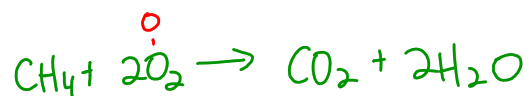
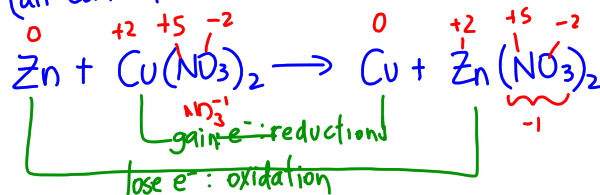
• Combustion of alcohols

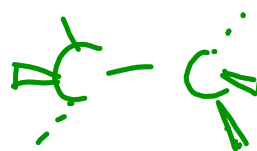
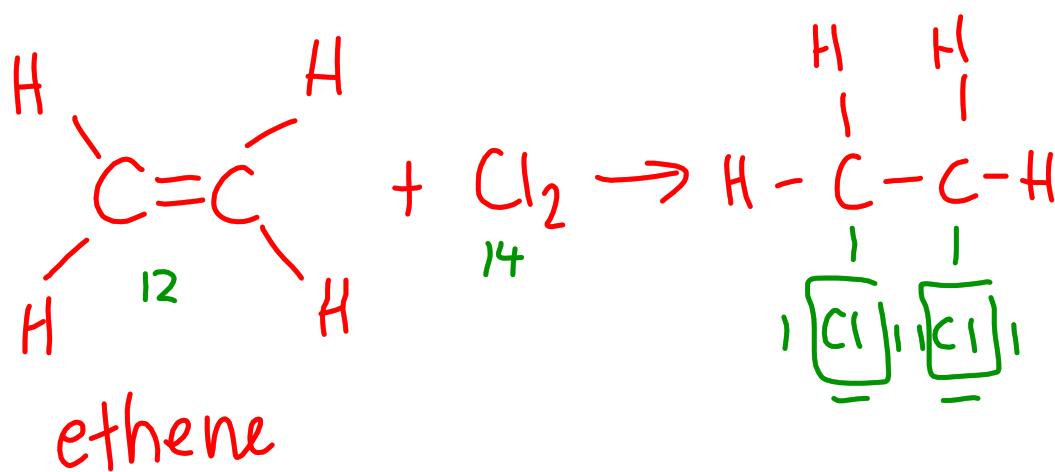


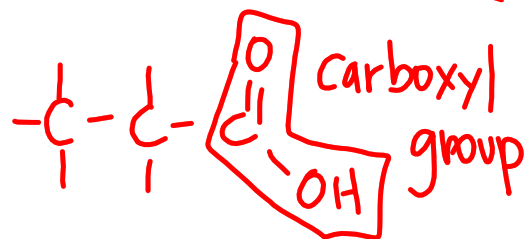
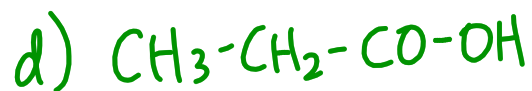
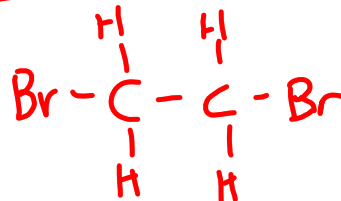
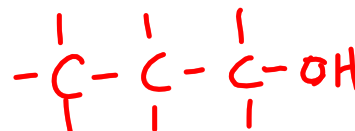
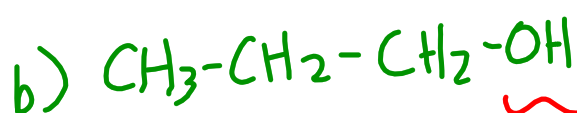
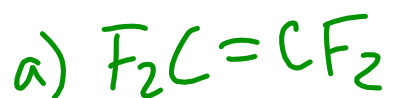
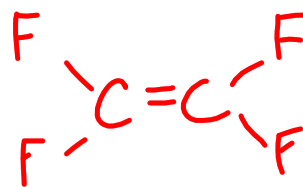
• oxidation of alcohols

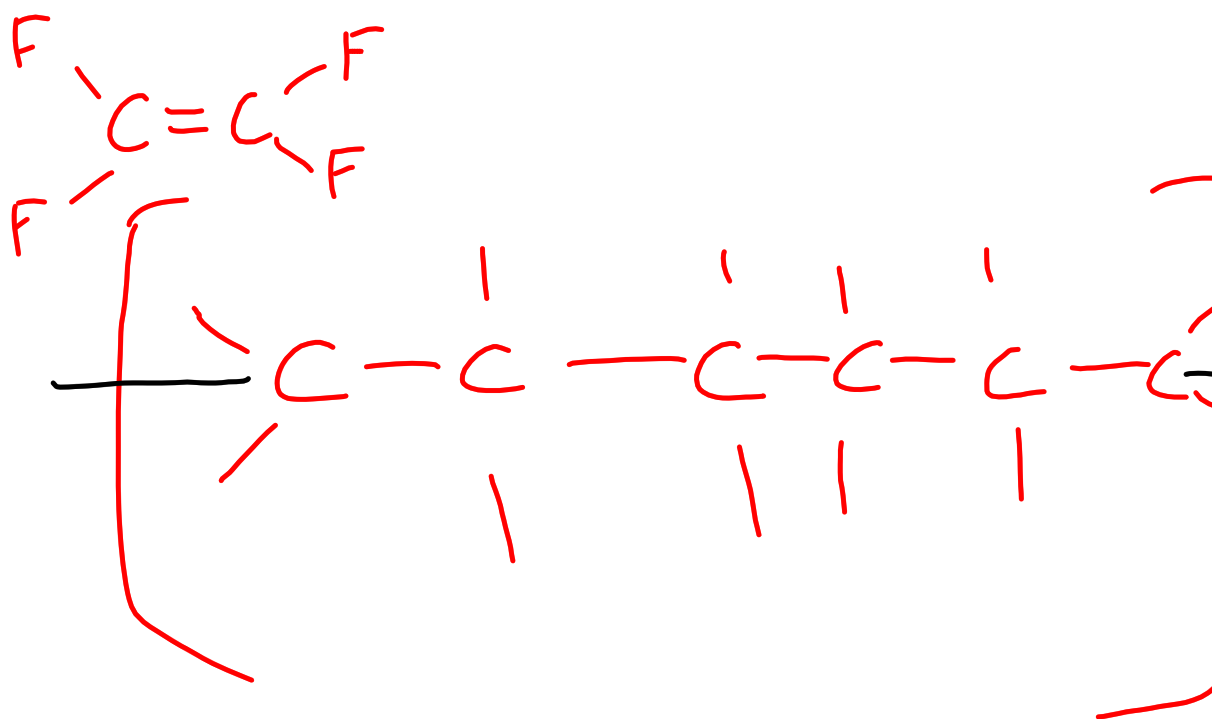
"LEO says GER"  
loss of e<sup>-</sup>'s is oxidation      gain of e<sup>-</sup>'s is reduction

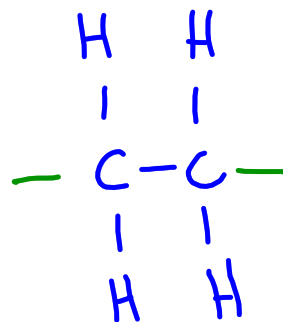
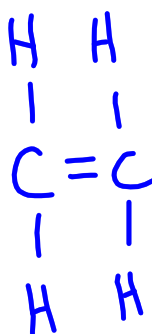
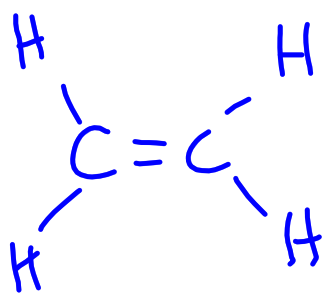
(all combustion reactions are redox reactions)











1-butene  $C=C-C-C$

2-butene  $C-C=C-C$

1,3-but-diene

