

Carbon obeys the octet rule

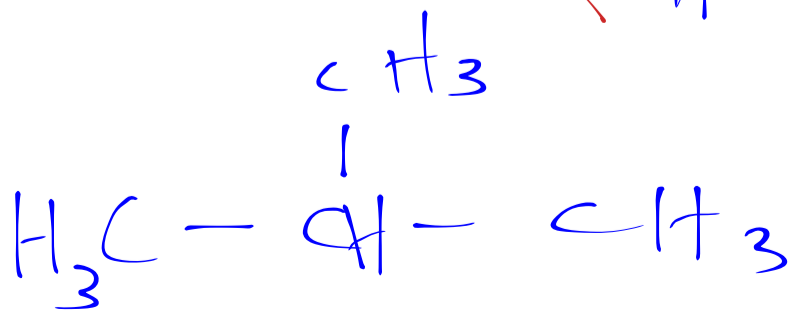
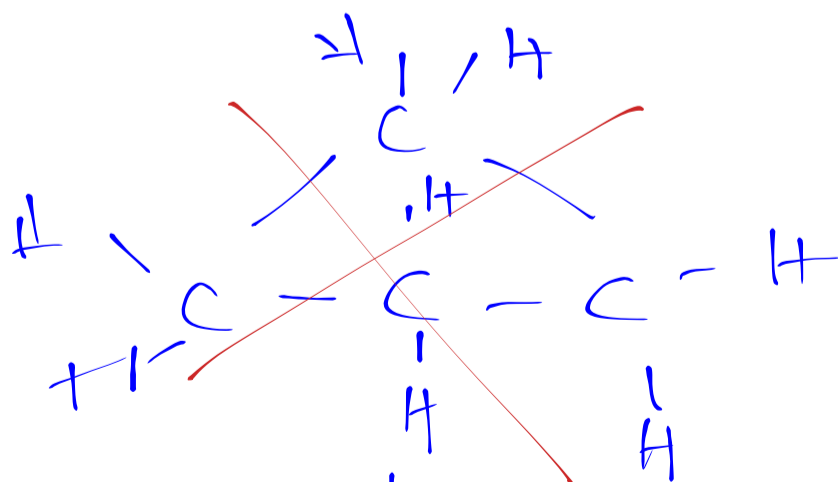
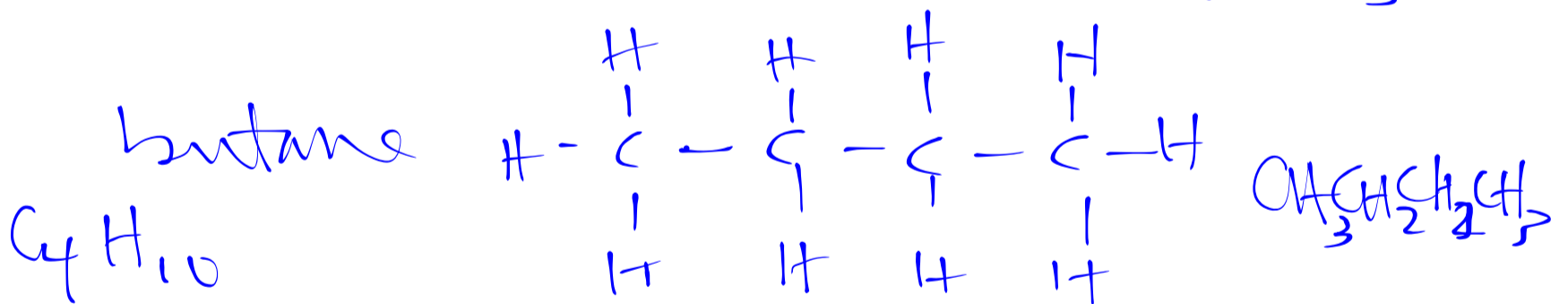
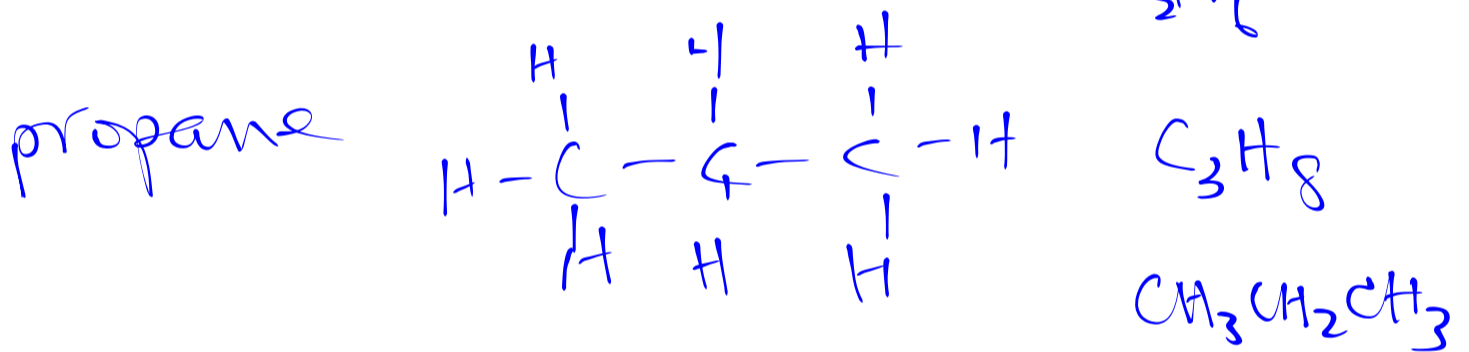
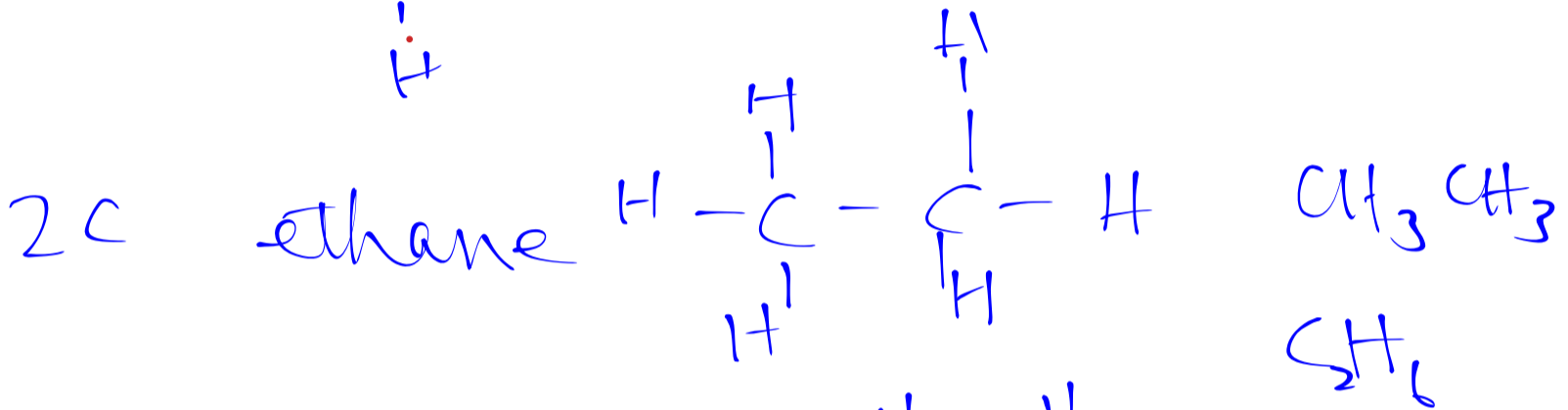
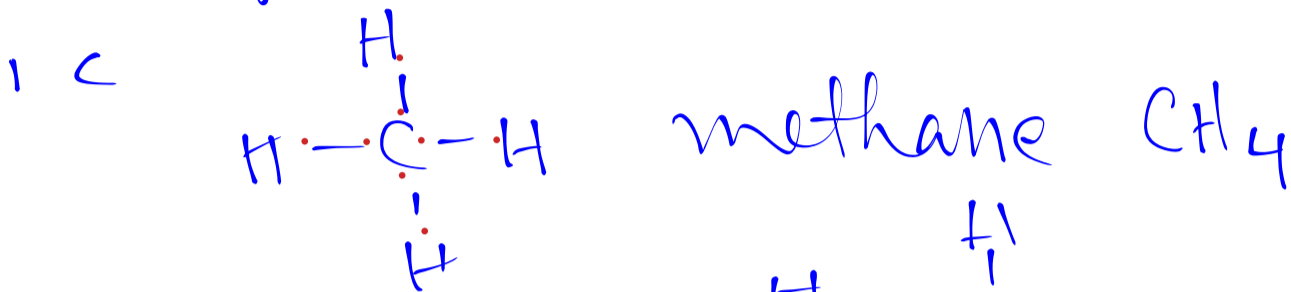
Block 1 Aug 23

Functional Groups

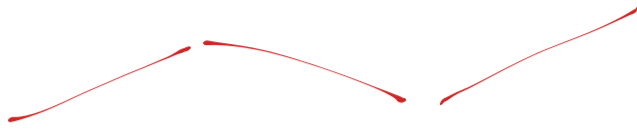
Classes of molecules that react similarly

alkanes contain C + H only!

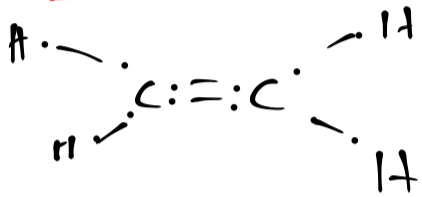
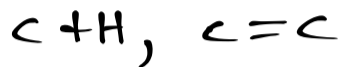
all single bonds  
hydrocarbons, paraffin



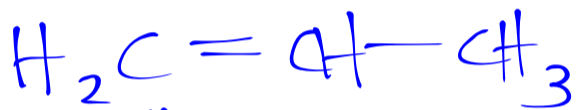
line segment notation



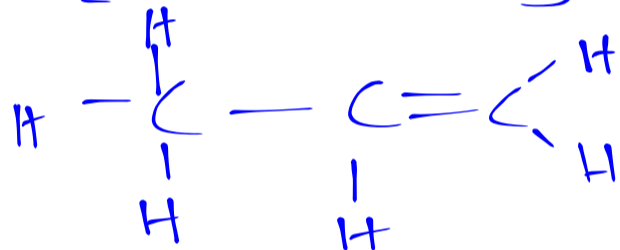
alkenes



ethene ethylene

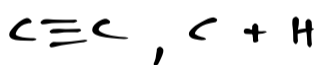


propene



propylene

alkynes



alcohols



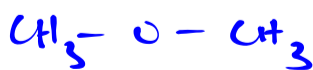
methanol



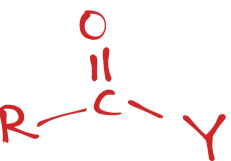
ethanol



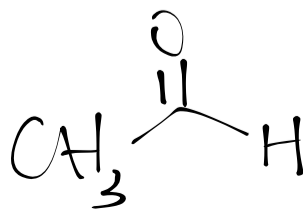
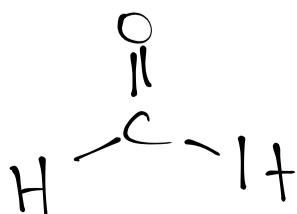
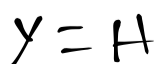
ethers



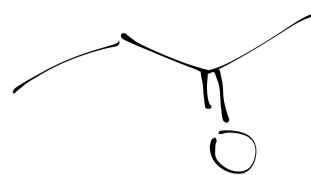
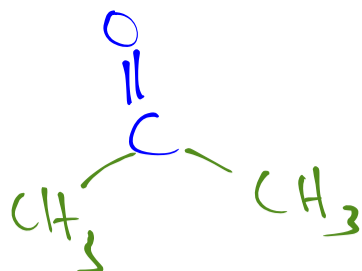
carbonyl



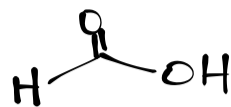
aldehyde



ketones  $\gamma = R$



carboxylic acids  $\gamma = OH$



methanoic acid

esters  $OR = Y$

