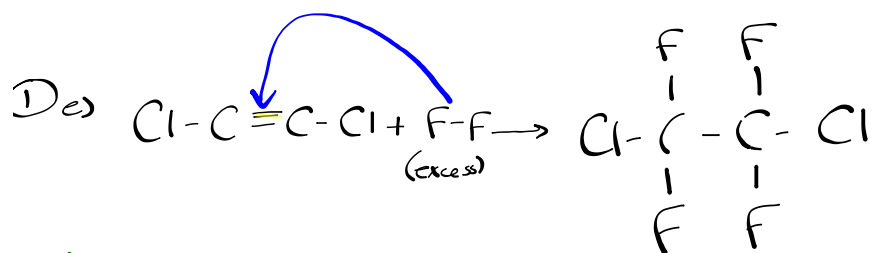


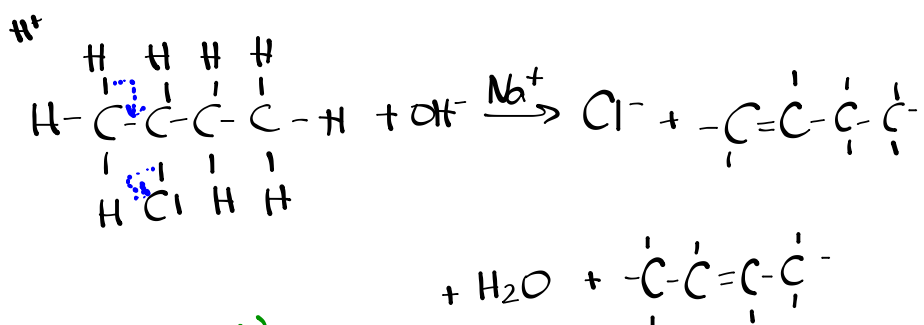
Organic Halides Worksheet



ADDITION

dichloroethyne + fluorine \rightarrow 1,2-dichloro-
(excess) 1,1,2,2-tetrafluoro-
ethane

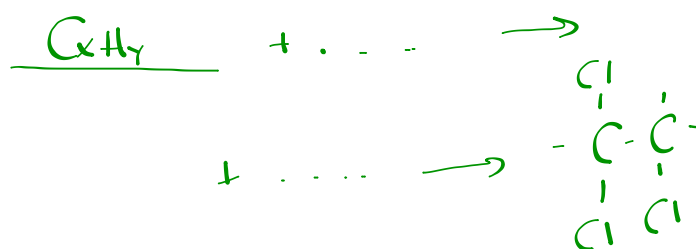
2. b)



ELIMINATION

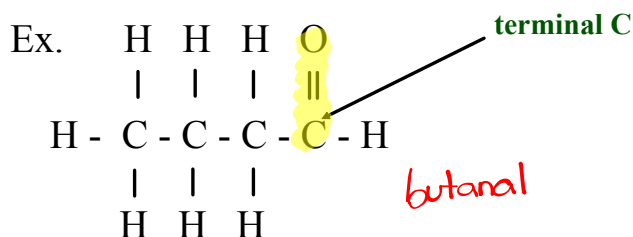
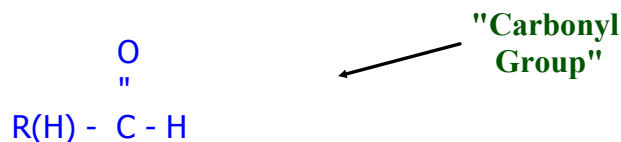
2-chlorobutane + hydroxide \rightarrow 1-butene + 2-butene + chloride
ions
+ water

③

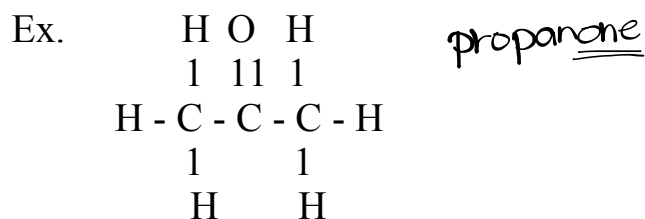
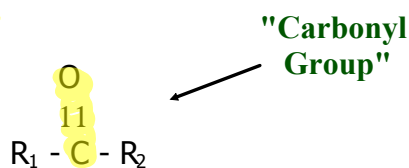


Aldehydes and Ketones

- Aldehydes - contain a **carbonyl group** on a **terminal carbon**
- are named by replacing the "e" in alkane with al
 - begin numbering at the end beginning with the aldehyde functional group

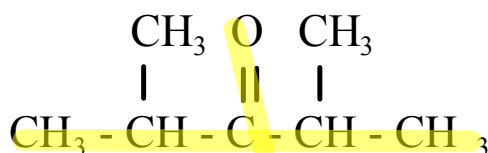


- Ketones - have a **carbonyl** on any carbon but the end carbon
- are named by replacing "e" on the parent alkane with -one.

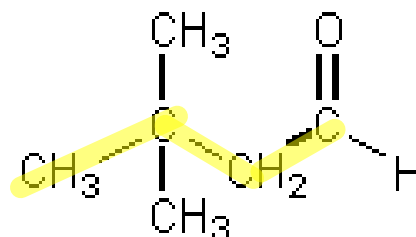


Aldehydes and ketones with the same number of carbons are isomers

SAMPLE PROBLEMS:

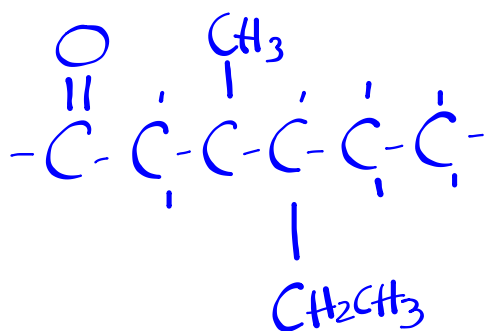


2,4-dimethyl-3-pentanone

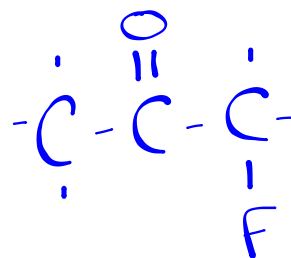


3,3-dimethylbutanal

4-ethyl-3-methylhexanal



fluoropropanone



Aldehydes and Ketones Worksheet