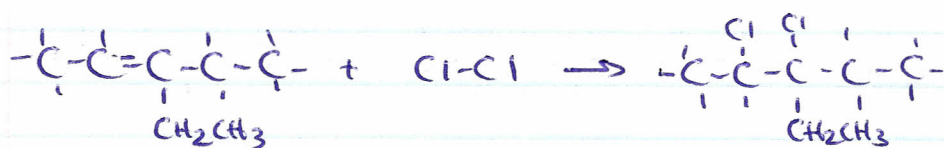


*6. 3-ethyl-2-pentene + chlorine \rightarrow 2,3-dichloroethylpentane



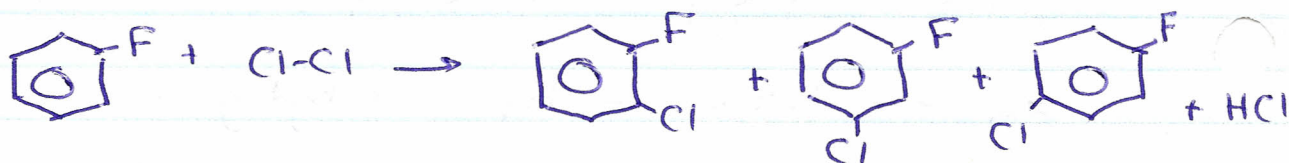
ADDITION

*7. propanoic acid + ethanol \rightarrow ethyl propanoate + water



ESTERIFICATION

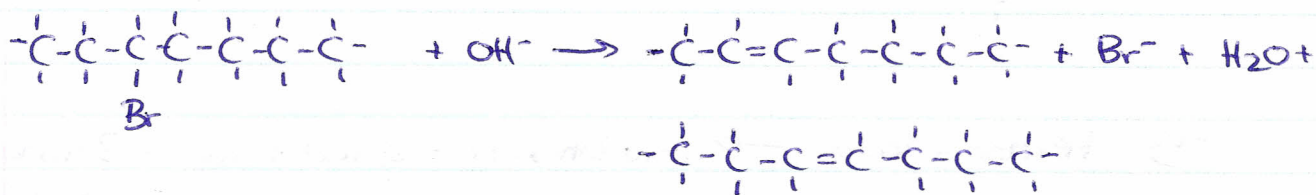
*8. fluorobenzene + chlorine \rightarrow 1-chloro-2-fluorobenzene + 1-chloro-3-fluorobenzene +



1-chloro-4-fluorobenzene + hydrogen chloride

SUBSTITUTION

*9. 3-bromoheptane + hydroxide ion \rightarrow 2-heptene + 3-heptene + bromide ion + water



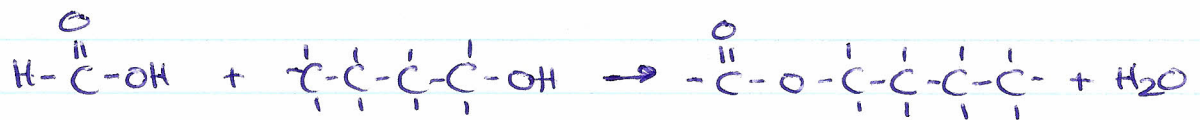
ELIMINATION

*10. 3-hexyne + hydrogen fluoride \rightarrow 3-fluoro-3-hexene



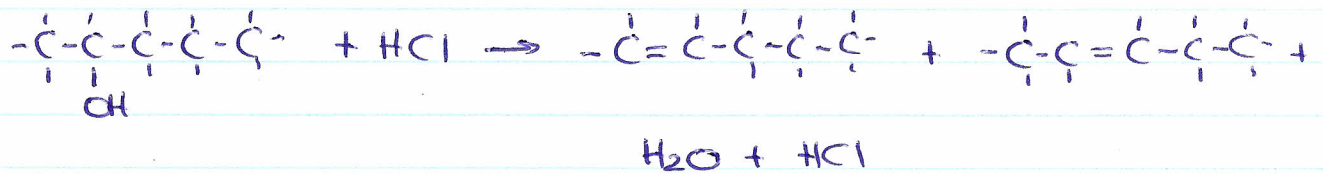
ESTERIFICATION

*11. methanoic acid + 1-butanol \rightarrow butyl methanoate + water



ELIMINATION

*12. 2-pentanol + acid (HCl) \rightarrow 1-pentene + 2-pentene + water + HCl



*13. Bonus

ADDITION

2-heptyne + hydrogen chloride \rightarrow
(excess)

