

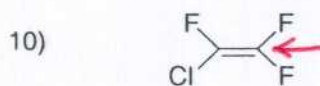
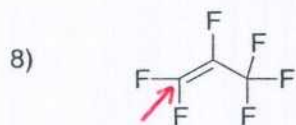
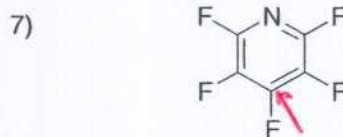
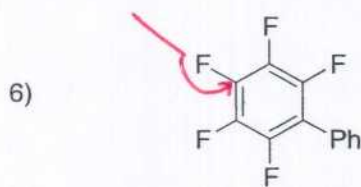
Fluorocarbons Quiz #5 20 points

NAME: GIL T. O'SLACKIN

(1-5) Are True / False

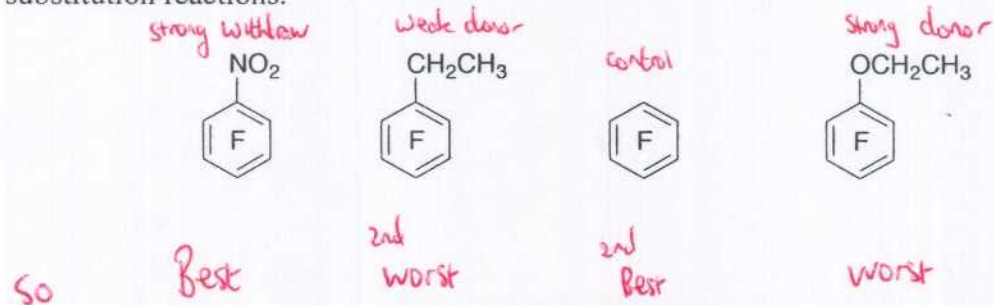
- 1) Hexafluorobenzene displays typical aromatic characteristics. T
- 2) Hexafluorobenzene will undergo Nucleophilic Aromatic Substitution reactions. T
- 3) Pentafluoropyridine will undergo Nucleophilic Aromatic Substitution reactions. T
- 4) Hexafluorobenzene will undergo Electrophilic Aromatic Substitution reactions. F
- 5) Perfluoroalkyl-alkynes are more stable than fluoro-alkynes. T

6-10) Indicate with an arrow the preferred site of nucleophilic attack in the following molecules.



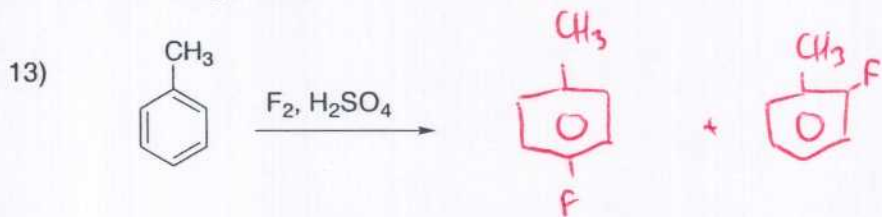
11-12)

Rank the following aromatics in increasing reactivity towards nucleophilic aromatic substitution reactions.

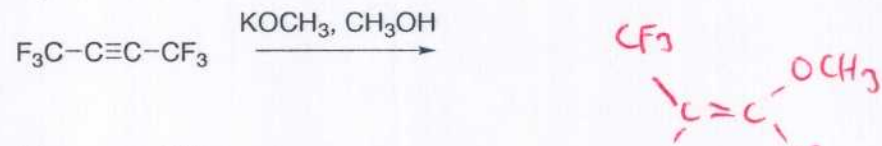


13-20) Give the products:

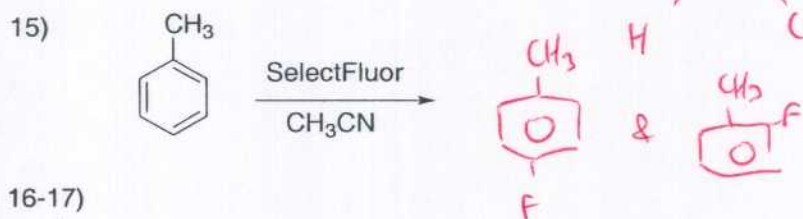
E.A.S



Nuc. Addⁿ

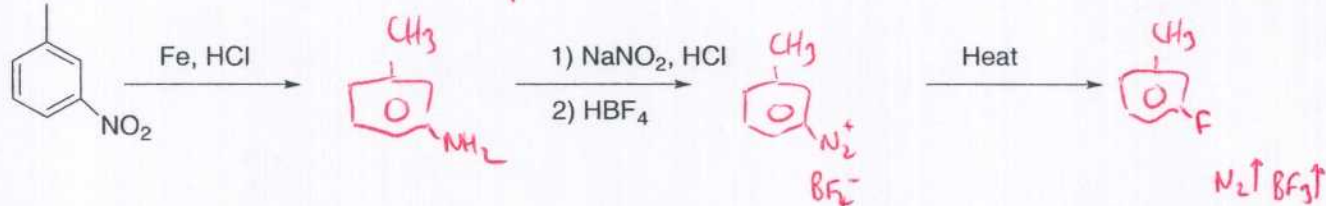


E.A.S.

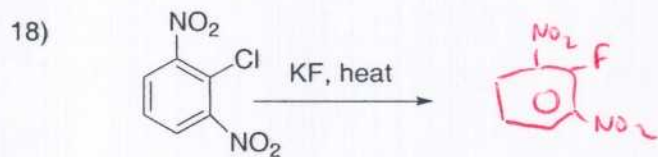


16-17)

BALZ
SCHIEBMAN



N.A.S



19-20)

Perfluorination
&
Reductive
Defluorination

