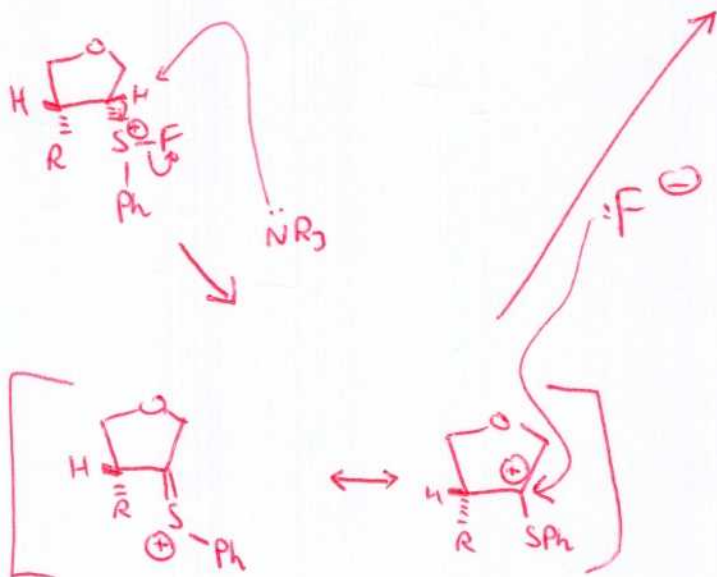
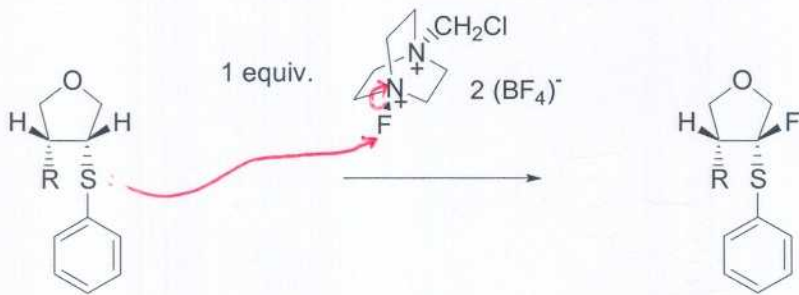
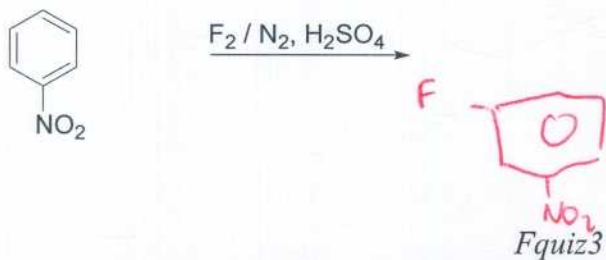
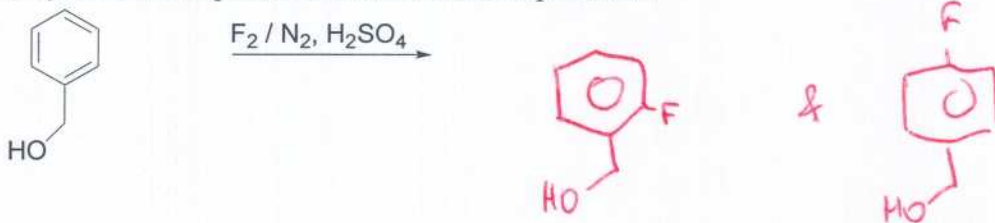


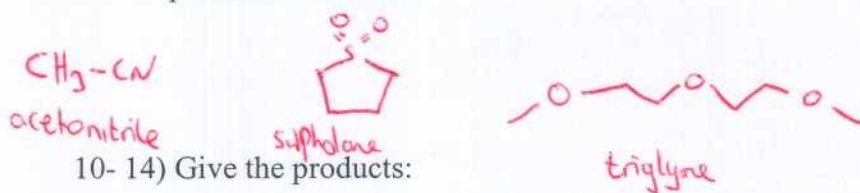
1-5) Write a mechanism (no words) to explain the following electrophilic fluorination.



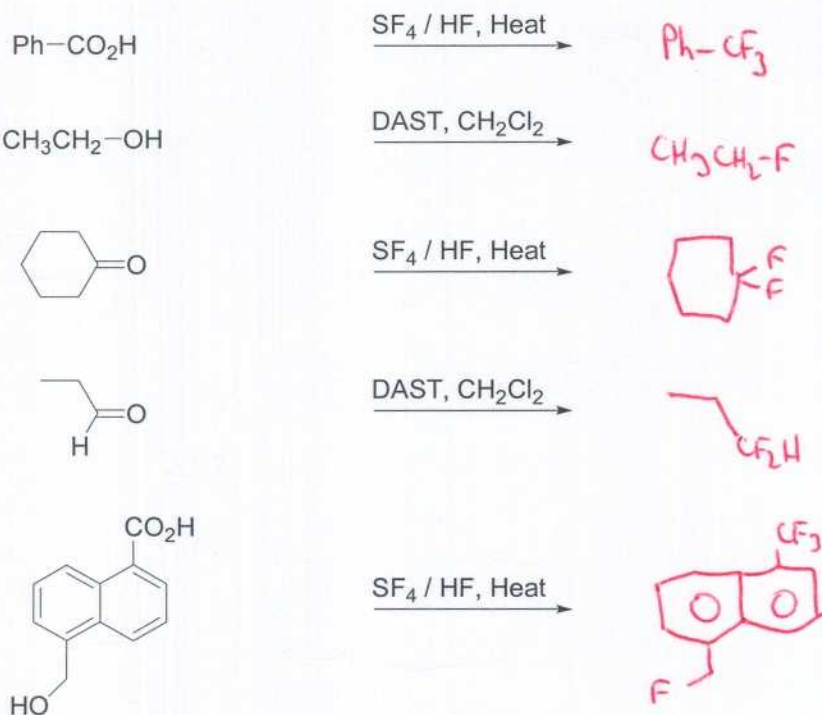
6-7) Give the expected monosubstitution products.



8-9) Draw and name a polar, aprotic solvent suitable for Halex reactions using potassium fluoride.



10- 14) Give the products:



15) State a disadvantage of using sulfur tetrafluoride as a reagent.

Gas ; toxic ; reactive ; hydrolyses \rightarrow HF

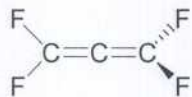
16) When ozone (O_3) is destroyed by CFC's, what compound is the ozone converted into?

O_2

17) Pertaining to ozone depletion, what is the Montreal Protocol?

A plan to phase out production and use of ozone depleting compounds.

18) What is the name of this compound?



Tetrafluoroallene

19) Name one fluorination method used by industry.

Boltzman; Electrochemical fluorination; Direct fluorination
; Halox

20) Circle the more toxic compound.

