

Answer key for Chemistry

Fill in the blanks

1.c 2.a 3.a 4.d 5.a 6.B 7.c 8.c 9.d 10.b

Reasoning Type

1) The triple bond is no ordinary triple bond as the second p interaction results from a weak interaction of sp² hybrid orbitals lying in the plane of the ring. and the triple bond is non linear due to the constraints of the 6-membered ring friedle crafts alkylation occurs only in activated benzenes.(need a ques on this!!)

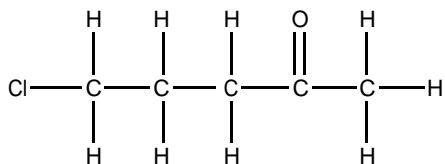
2) X=ferric chloride element=Iron

3) During summer, as temperature is higher reaction rate increases. Hence food gets spoiled easily upon reacting with constituents of air.

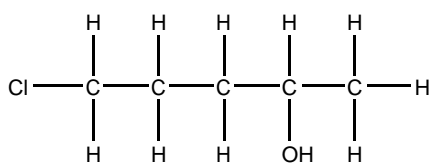
Long question

1.

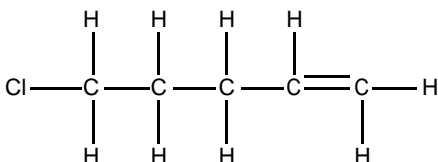
A =



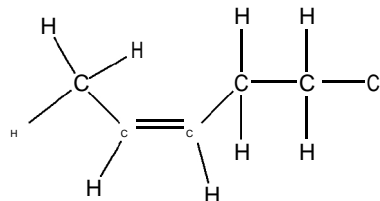
B =



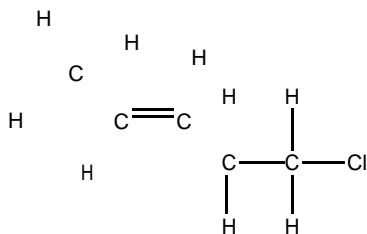
C =



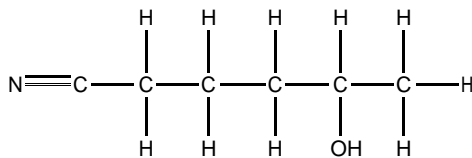
D =



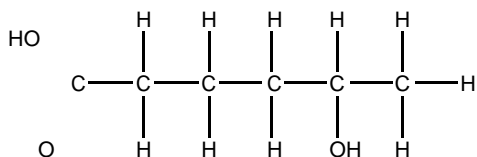
=



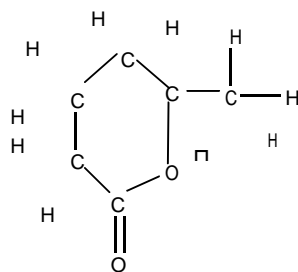
F =



G =



H =



Crossword

Across: 2. Oleum 3. Two 4. Gaseous 5. Thirteen 6. Caustic soda 7. Au 8. First
9. Hydrogen

Down : 1. Homologous series 6. C₈H₁₈ 7. Addition 8. Four 9. HF