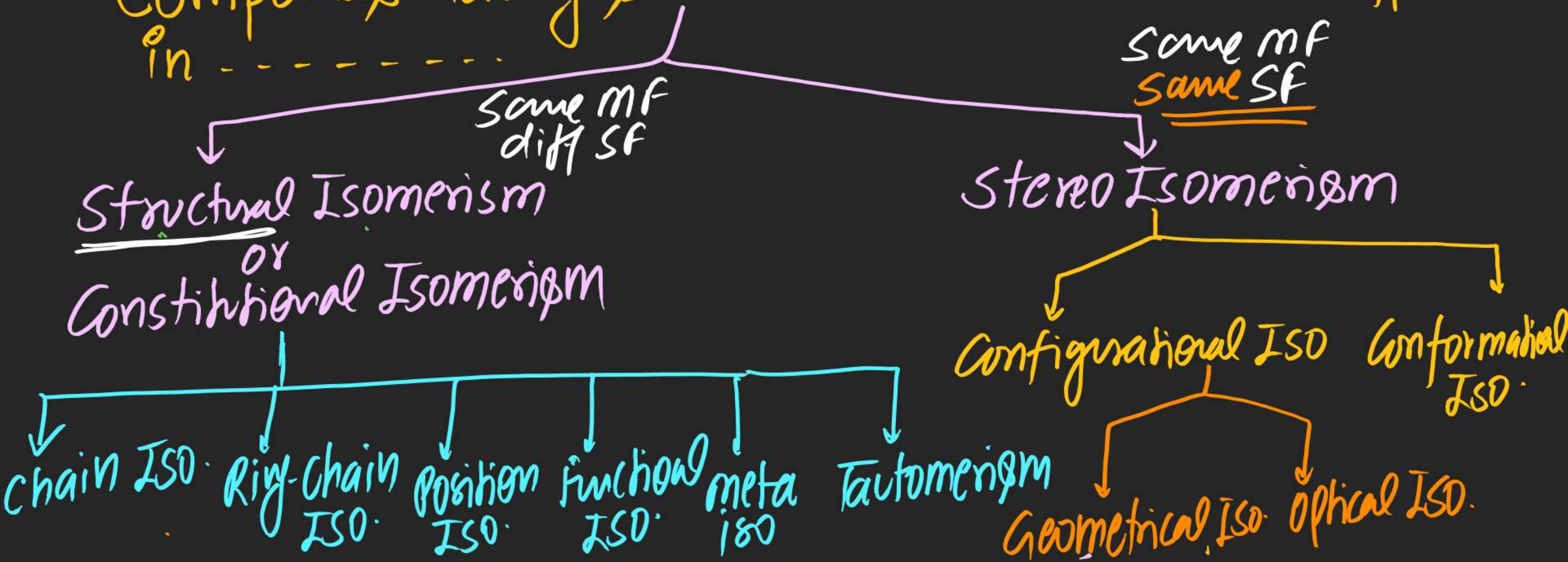


Isomerism

Compounds having same molecular formula But difference in -----



diff. str.



Same str.



Structural Isomerism/Constitutional Isomerism: Compounds having same MF but difference in structural formula are known as Structural Isomers.

(1) Chain Isomerism: Compounds having same MF but difference in Carbon chain length (Principal chain / Side chain length) are known as chain Isomers.



MF C_6H_{14}
6 Carbon Principal chain



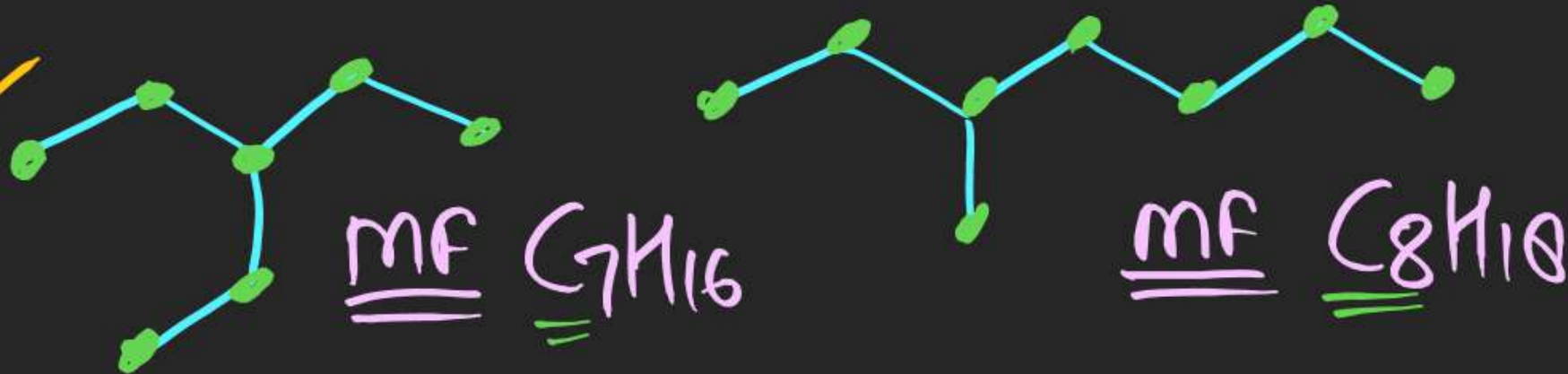
MF C_6H_{14} 5 Carbon Principal chain

(Chain Isomers)

(2)



(3)



MF C₇H₁₆

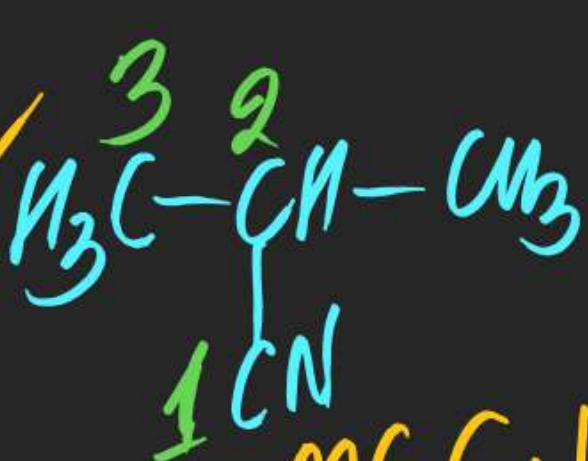
MF C₈H₁₈

(Homologues)
Not isomers

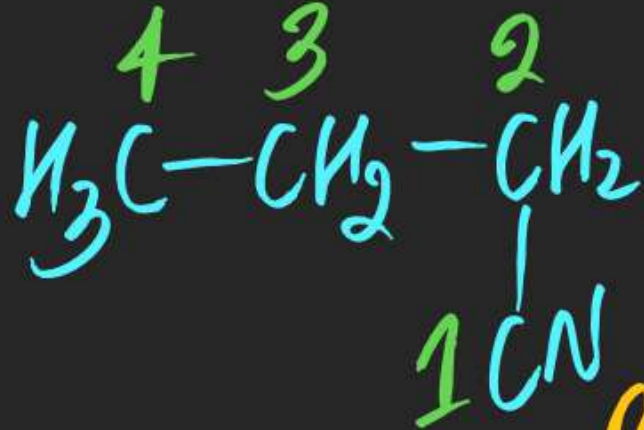
(4)



(5)



MF C₄H₇N



MF C₄H₇N

(Chain Isomers)



(10)



(#) Ring chain Isomerism:-