

# Isomerism

Compounds having same molecular formula But difference

in - - - - -

Some MF  
diff SF

Structural Isomerism

or  
Constitutional Isomerism

↓  
Chain ISO · Ring-Chain ISO · Position functional ISO · ISO · meta iso Tautomerism

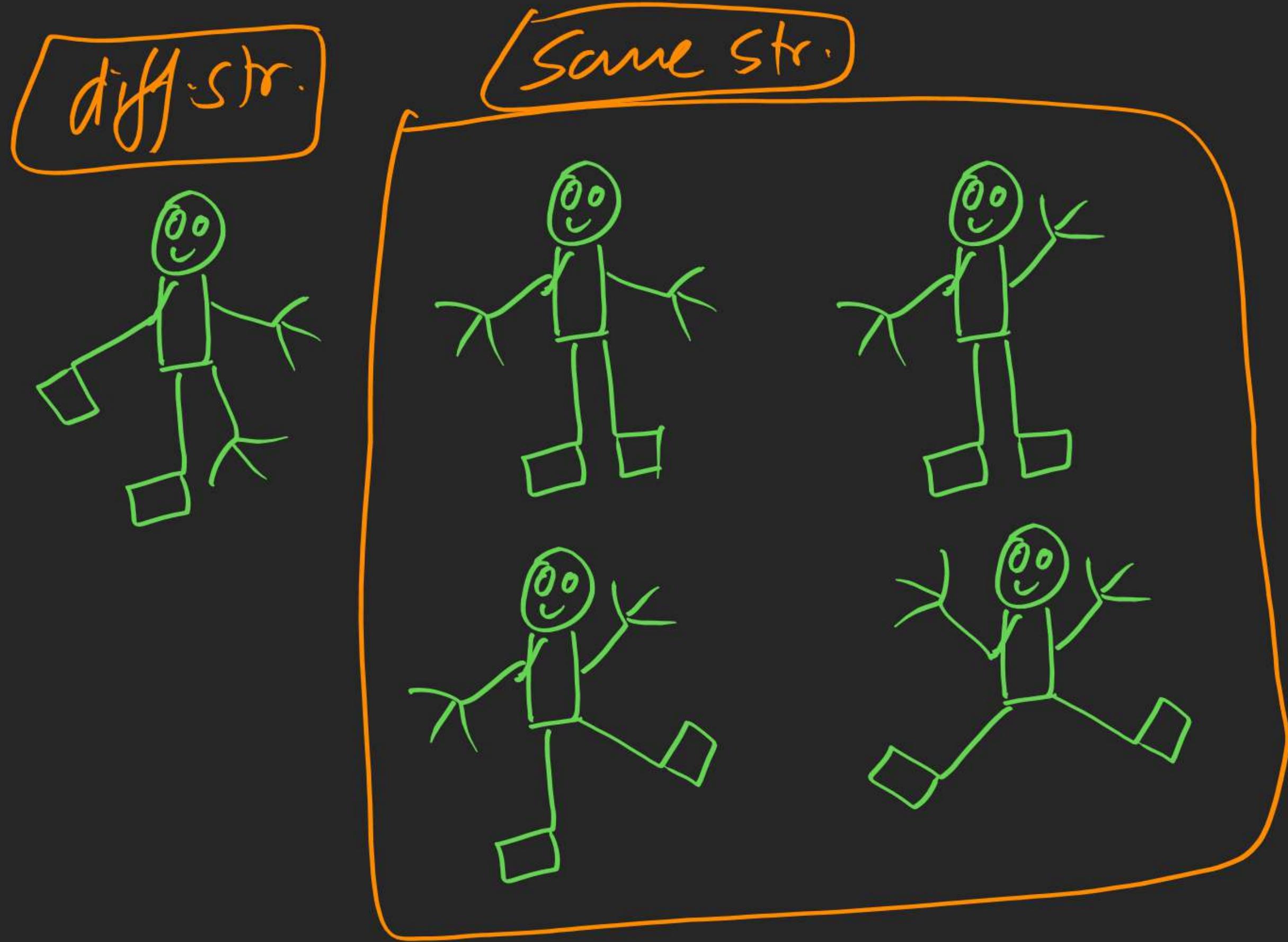
Some MF  
Same SF

Stereo Isomerism

Configurational ISO

Conformational ISO

Geometrical ISO · Optical ISO.



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 / Sidechain length) are known as Chain Isomers.



(2)

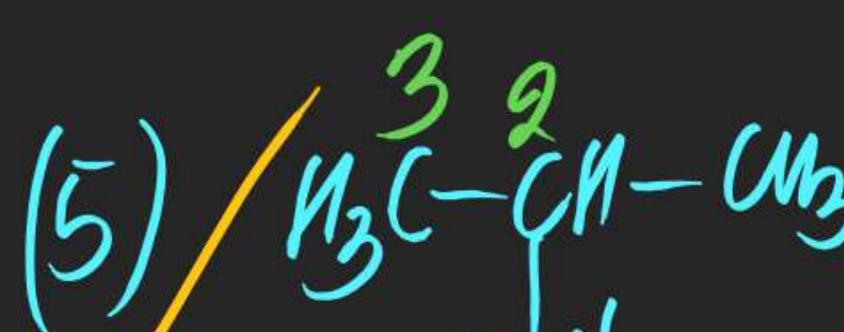


(Homologues),  
Not isomers.

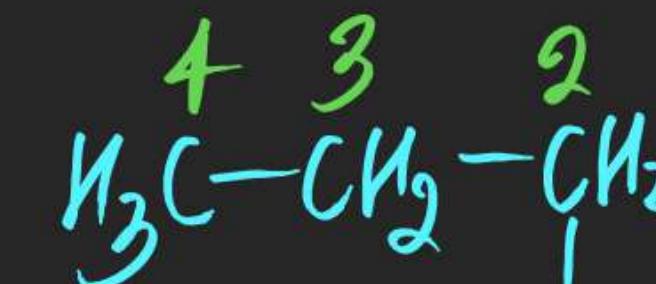
(3)



(4)



MF C<sub>4</sub>H<sub>7</sub>N



MF C<sub>4</sub>H<sub>7</sub>N

(chain Isomers)



(10)



(#) Ring chain Isomerism:-