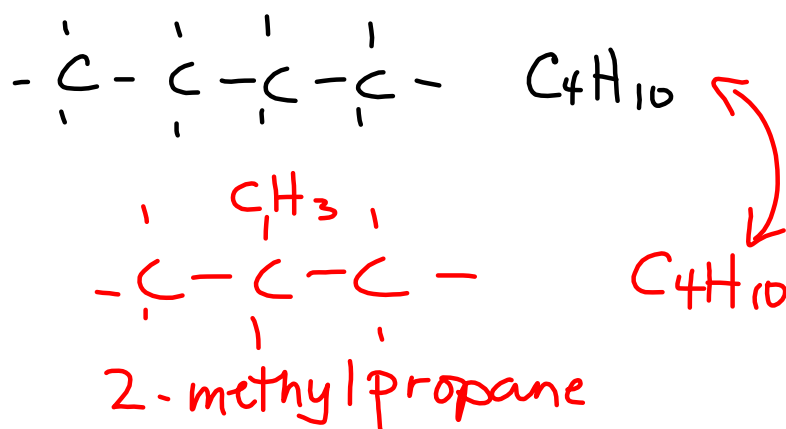


Isomers:

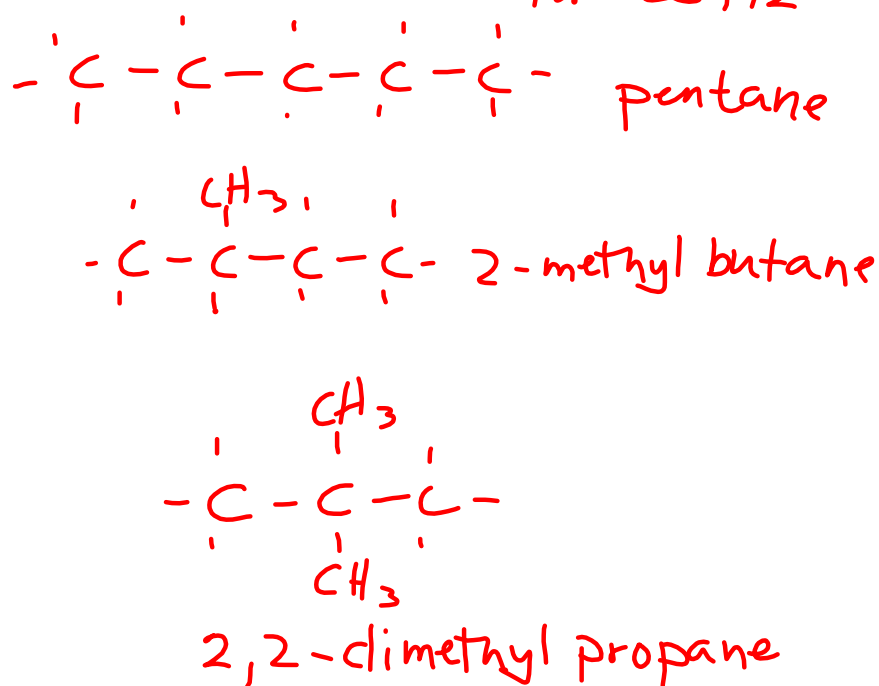
Compounds that have the same molecular formula but different molecular structures are called isomers.

Structural Isomers:

-compounds that have the same molecular formula but are joined in a different order.

BUILD BUTANE

Draw & name 3 isomers for C_5H_{12}



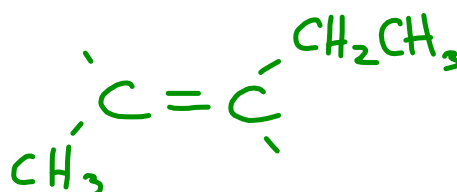
Stereoisomers:

Isomers have the same bonds but with a different spatial arrangement.

Geometric Isomers

(cis, trans) different spatial arrangement around a double bond. *(only for alkenes)*

E.g trans-2-pentene

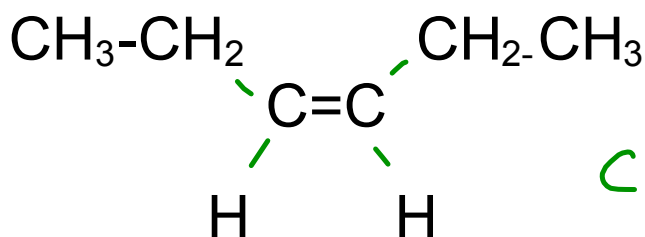


vs.



cis-2-pentene

Name?



cis-3-hexene