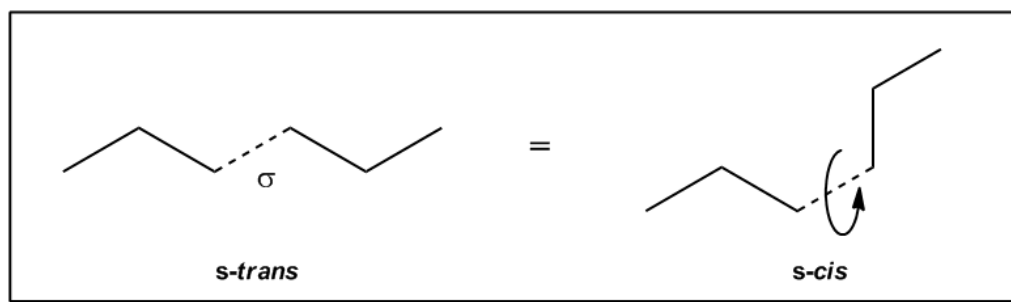


## CONCEPT: CONFORMATIONAL ISOMERS

Most organic molecules have the ability to exist in multiple arrangements without experiencing any chemical changes.

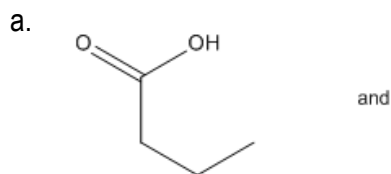
- ☐ Many of these arrangements exist due to the ability of \_\_\_\_\_ bonds to \_\_\_\_\_
- ☐ These arrangements are NOT isomers because structurally the molecule never changes.

### EXAMPLE: Hexane Conformers

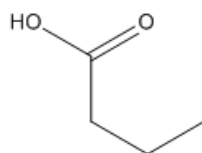


- These alternate arrangements are called \_\_\_\_\_

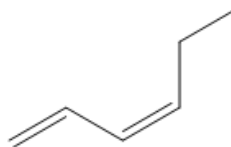
PRACTICE: Determine if the following pairs of molecules are isomers or conformers.



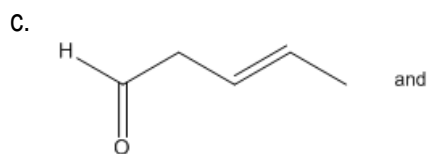
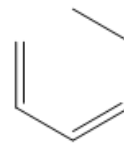
and



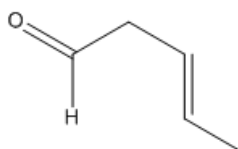
b.



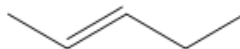
and



and



d.



and

