

DrawingWarm-up Problem:

Are the following pairs of structures stereoisomers, structural isomers, the same structure, or unrelated? If they are stereoisomers, are they enantiomers or diastereoisomers?

a.



b.



c.

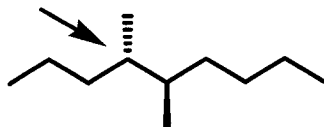


d.

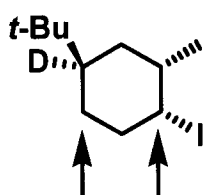


1. Draw a Newman projection for each of the following as if you were looking down the "arrowed" bond(s).

a.

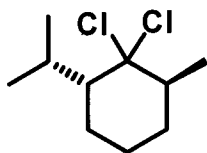


b.



2. Draw the following molecules in **two** different chair conformations. Circle the most stable one.

a.



b.

