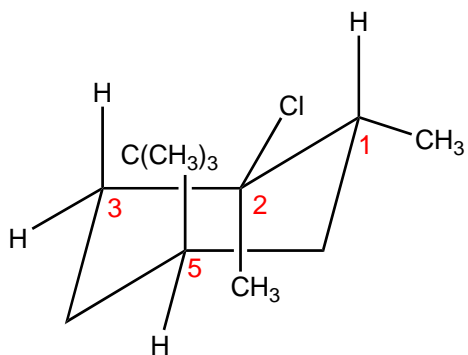
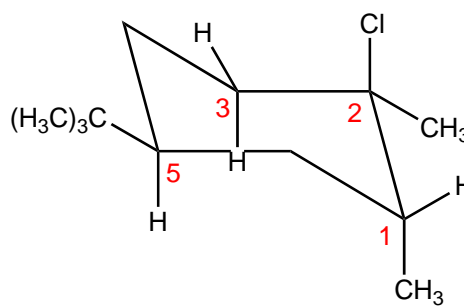


E2, right?
 Because you have a big bulky t-butyl group present, you **MUST** draw the chair conformations to see if it can occur. Recall that t-butyl only sits on the equatorial position because it is just too big and bulky to sit on the axial position.

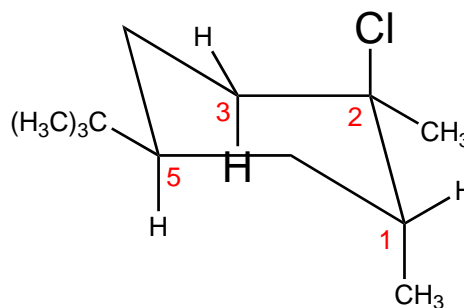


This is the incorrect structure, t-butyl can **NOT** be on the axial position.
 When looking to do E2 on this reaction, you can not do E2 to this structure because the structure does not exist. It is just too unstable to have t-butyl on the axial position!



This is the structure you would look at to see if you can do E2 because t-butyl is on the equatorial position. Now that you have ensured it is on the equatorial position, you can see if you have a leaving group, (Cl), and an (H) on trans axial positions.

In this case, you do have a Hydrogen and Cl on axial positions, therefore E2 will occur!



Final note: If there is no big bulky group dictating the confirmation of the molecule, then you do **NOT** have to draw the chair conformations.

