

Remember, all topics need to be addressed.

Discussion Assignment: Unit 2

Topic # 1

Propose an detailed explanation of the role strain plays on stability and reactivity of a cyclic alkane such as cyclopropane.

Topic # 2

Explain the equatorial and axial orientation of the substituents in the more stable forms of the cis and trans isomers of 1-isobutyl-2-methylcyclohexane. Be sure to discuss strain and energy in relation to conformations.

Guidelines

- Usually two- three paragraphs is enough to address the subject
- Structures - This is not art class but many discussion assignments will require (or I strongly suggest) you to draw the structures. I give some free ware links to some software in unit 1. However, most anything is acceptable. Many students in the past have drawn on paper and pasted the image into the file or attempted to use power point. I will provide constructive suggestions, not points off, the first few assignments to help you get used to this. If you are not used to drawing molecules, it takes time.

-References - Cite your sources. If you use your book, put it as a reference. Just as with the intent above, this is the first graduate level course for many of you. I know most of these facts are not yours but the discussion and how you put them together are. Cites sources where needed. If you use a website, be sure to add the date assessed. I will not be flagging documents for not correctly citing sources for the first few units. It is my intent to help you develop this skill through the discussion assignments.