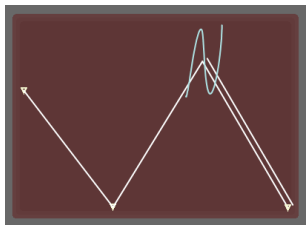


ChemPad3 Cheat Sheet : Feb 2008

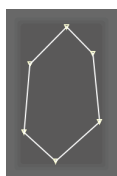
Drawing

Draw carbon backbones with straight line segments. No need to write "C" at each intersection

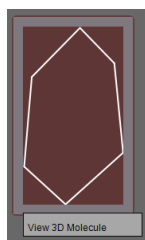
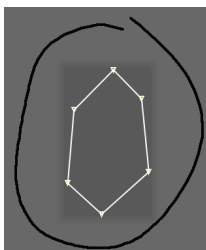


Making Structures

Circle molecules to get the option to make a 3D model.

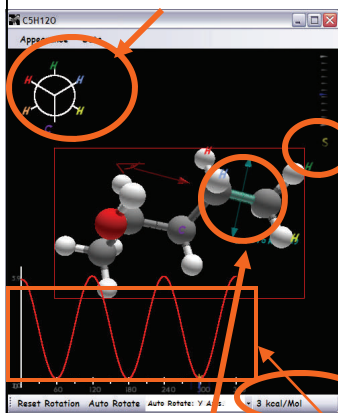


Cyclohexane



Energetic Changes

The Newman Projection of the Selected Bond



Click this "S" to enter and exit this mode.

The Selected Bond between 2 Carbons.

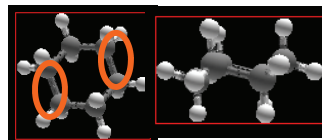
The Energy Curve across the rotation

Energy

Dragging

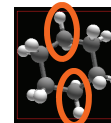
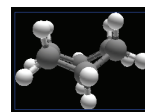
Press the pen button to be able to drag 3D models and the 2D canvas.

Cyclohexane



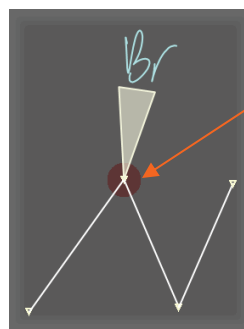
Line up C-C bonds on opposite sides to see the chair

Line up 'down' carbons to see the boat

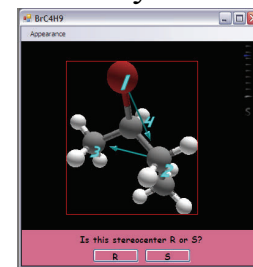


Stereochemistry

You need to draw a circle by the center carbon to do Stereochemistry



2-R-Bromobutane



Renderers

Ball and Stick: Like plastic modeling kits.

Spacefill: Shows the boundaries of the atom electron clouds. **Allows you to see where atoms collide.**

Dots: Shows the boundaries of the atom electron clouds as dots over the ball and stick.

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Sidebar



Ink Mode:

- Chemistry:** The Standard ChemPad mode of inking molecules.
- Annotation:** Allows the drawing of characters not to be interpreted as shortcuts.

Shortcuts:

- Clear All:** Erases all ink on the page

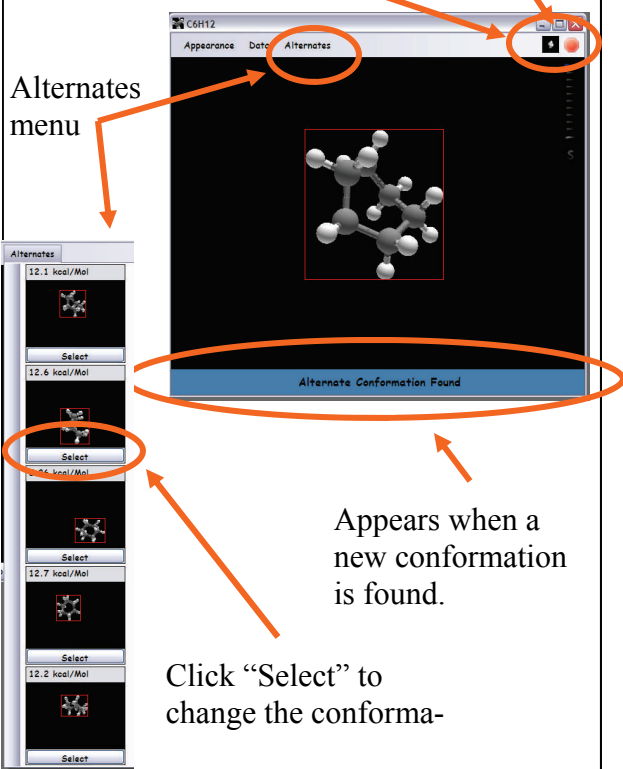
Panels: (Tap to bring forward)

- Ink Panel:** The panel where all the ink is.
- (3D Windows):** The 3D windows for any 3D models you have created.

Multiple Conformations

Spinning Molecule indicates conformations are still being searched

Stops conformation search

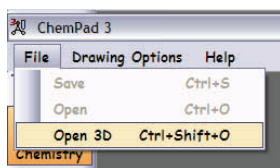
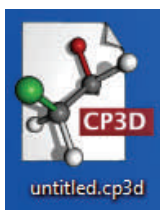


Alternates menu

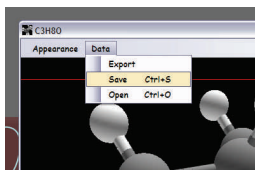
Appears when a new conformation is found.

Click "Select" to change the conforma-

3D Files



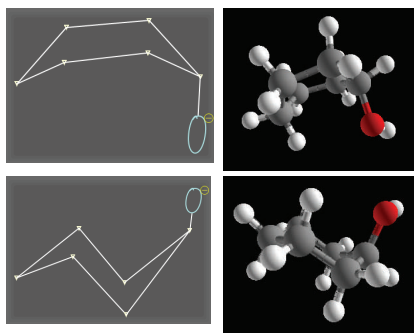
You can open a cp3d



(ChemPad 3D) file from your desktop by double clicking it. Or, from the file menu by selecting Open 3D.

Drawing Perspective

You can specifically draw ring molecules in perspective to indicate boat/chair conformations and axial/equatorial groups



Cyclohexanol