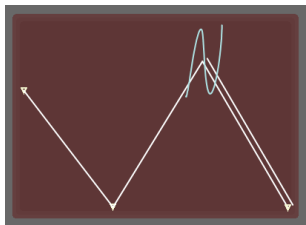


# ChemPad3 Cheat Sheet : Feb 2008

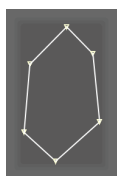
## Drawing

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

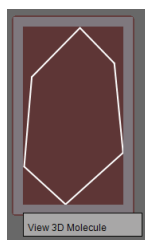
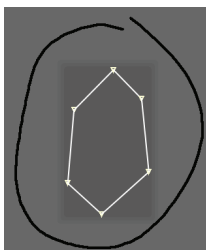


## Making Structures

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

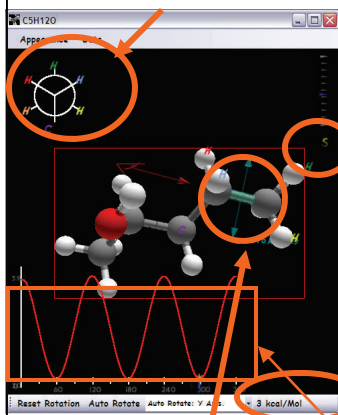


Cyclohexane



## Energetic Changes

The Newman Projection of the Selected Bond



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

The Selected Bond between 2 Carbons.

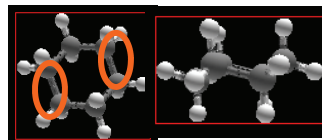
The Energy Curve across the rotation

Energy

## Dragging

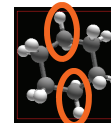
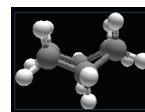
Press the pen button to be able to drag 3D models and the 2D canvas.

## Cyclohexane



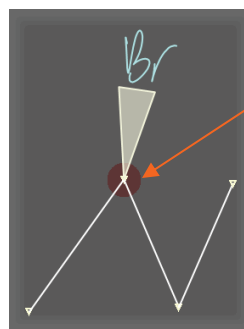
Line up C-C bonds on opposite sides to see the chair

Line up 'down' carbons to see the boat

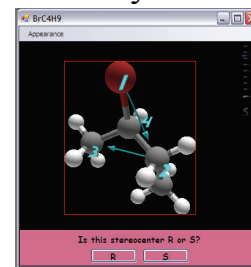


## Stereochemistry

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.

# ChemPad3 Cheat Sheet: Feb 2008

## 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

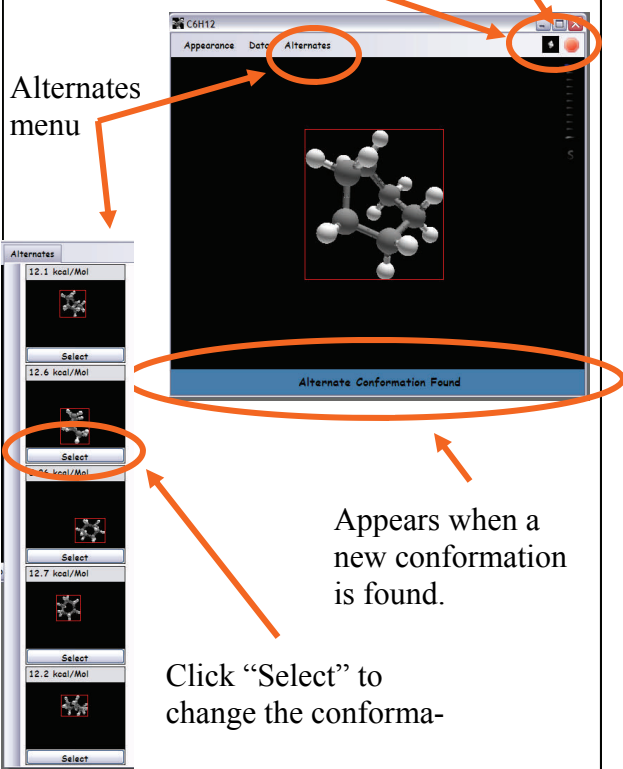
### Panels: (Tap to bring forward)

- **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

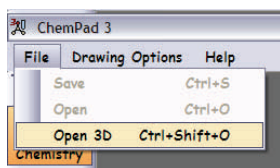
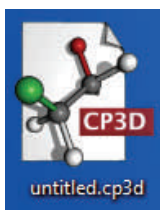


Alternates menu

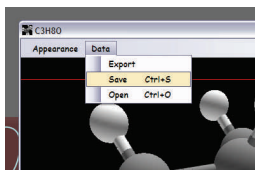
Appears when a new conformation is found.

Click "Select" to change the conforma-

## 3D Files



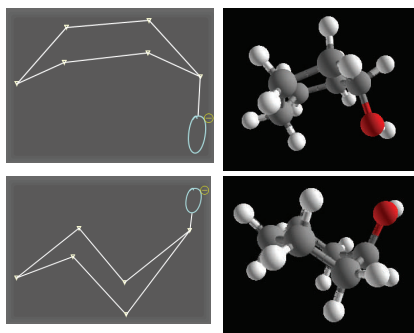
You can open a cp3d



(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