

# Modify Display and View

**Talk to a Teacher**

<http://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

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# Learning Objectives



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- ▶ Rotate, zoom, move and spin the model



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- ▶ Rotate, zoom, move and spin the model
- ▶ Modify the view



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- ▶ Rotate, zoom, move and spin the model
- ▶ Modify the view
- ▶ Change the style of display



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- ▶ Change the color of atoms and bonds



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- ▶ Display the model with 'Axes' and 'BoundingBox'



# Learning Objectives

- ▶ Display the model with 'Axes' and 'BoundingBox'
- ▶ Save the image in various file formats



# Pre-requisites



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- ▶ Jmol Application window



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- ▶ **Create and edit molecular models using 'modelkit' function**



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# System Requirements



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- ▶ **Java (JRE) version 7 (Sun Microsystems)**



# Assignment

- ▶ Create a model of 2-chloro-3-iodo-pentane
- ▶ Explore the 'Spin' option in the Pop-up menu
- ▶ Change the direction of spin to 'Z' axis and rate of spin to '40'



# Summary

- ▶ Rotate, zoom, move and spin the model
- ▶ View the model from various angles
- ▶ Change the style of display
- ▶ Change the color of atoms and bonds



# Summary

- ▶ **Display the model with 'Axes' and 'BoundingBox'**
- ▶ **Save the image in various file formats**



# Assignment

- ▶ **Create a model of 3-amino-1-propanol**
- ▶ **Change the display style to 'Sticks'**
- ▶ **Change the color of hydrogens in the model to 'Green'**
- ▶ **Change the color of all the bonds to 'Yellow'**



# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project



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- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at**

<http://spoken-tutorial.org/NMEICT-Intro>

