

# Introduction to GChemPaint

**Talk to a Teacher**

<http://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

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# Learning Objectives



# Learning Objectives

**We will learn**



# Learning Objectives

We will learn

- **About GChemPaint**



# Learning Objectives

We will learn

- About GChemPaint
- Uses and Benefits



# Learning Objectives

We will learn

- About GChemPaint
- Uses and Benefits
- **Installation**



# Learning Objectives

## We will learn

- About GChemPaint
- Uses and Benefits
- Installation
- Open a new file



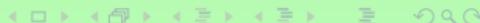
# Learning Objectives

We will learn

- About GChemPaint
- Uses and Benefits
- Installation
- Open a new file
- Menubar, Toolbar and Status bar



# Learning Objectives



# Learning Objectives

**We will also learn about**



# Learning Objectives

We will also learn about

- **Display area**



# Learning Objectives

We will also learn about

- Display area
- **Document properties**



# Learning Objectives

We will also learn about

- Display area
- Document properties
- **Using tool box**



# Learning Objectives

We will also learn about

- Display area
- Document properties
- Using tool box
- Saving the drawing with extension **.gchempaint**



# System Requirement



# System Requirement

- **Ubuntu Linux OS v 12.04**



# System Requirement

- **Ubuntu Linux OS v 12.04**
- **GChemPaint v 0.12.10**



# Pre-requisites



# Pre-requisites

**You should have knowledge of,**



# Pre-requisites

You should have knowledge of,

- Basics of chemistry upto VIII standard



# Installation



# Installation

- **GChemPaint can be installed using Ubuntu Software center**



# Installation

- **GChemPaint** can be installed using **Ubuntu Software center**
- **for more information on Ubuntu software center**



# Installation

- **GChemPaint** can be installed using **Ubuntu Software center**
- for more information on **Ubuntu software center**
- please refer to **Ubuntu Linux Tutorials on our website**  
<http://spoken-tutorial.org>



# What is GChemPaint?



# What is GChemPaint?

- **GChemPaint is a two dimensional, chemical structure editor**



# What is GChemPaint?

- **GChemPaint is a two dimensional, chemical structure editor**
- **It has a multiple document interface**



# Uses of GChemPaint



# Uses of GChemPaint

**GChemPaint allows you to,**



# Uses of GChemPaint

**GChemPaint allows you to,**

- **Draw and display 2 dimensional chemical structures**



# Uses of GChemPaint

**GChemPaint allows you to,**

- **Draw and display 2 dimensional chemical structures**
- **Drag and drop of templates**



# Uses of GChemPaint

**GChemPaint allows you to,**

- **Draw and display** 2 dimensional chemical structures
- **Drag and drop** of templates
- **Change length, angle and width of the bonds**



# Uses of GChemPaint

**GChemPaint allows you to,**

- **Draw and display** 2 dimensional chemical structures
- **Drag and drop** of templates
- **Change length, angle and width of the bonds**
- **Use Chemical calculator to calculate molecular weight of compounds**



# Benefits GChemPaint



# Benefits GChemPaint

**GChemPaint helps in**



# Benefits GChemPaint

**GChemPaint helps in**

- **Easy visualization of chemical structures**



# Benefits GChemPaint

**GChemPaint helps in**

- **Easy visualization** of chemical structures
- **Converting 2 dimensional structures to 3 dimensional structures**



# Benefits GChemPaint

**GChemPaint helps in**

- **Easy visualization** of chemical structures
- **Converting 2 dimensional structures to 3 dimensional structures**
- **Magnification of structures**



# Benefits GChemPaint

**GChemPaint helps in**

- **Easy visualization** of chemical structures
- **Converting 2 dimensional structures to 3 dimensional structures**
- **Magnification** of structures
- **Automatic and manual assignment of atoms**



Talk to a Teacher

# Summary

**We have learnt**

- **About GChemPaint**
- **Uses and Benefits**
- **Installation**
- **Open a new file**
- **Menubar, Toolbar and Status bar**



# Summary

We have also learnt about

- Display area
- Document Properties
- Using tool box
- Save the drawing with extension  
**.gchempaint**



# Assignment



# Assignment

- 1 Draw structures of n-hexane and n-octane
- 2 Change the orientation
- 3 Display atoms on each position



# 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



# About the Spoken Tutorial Project

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- It summarises the Spoken Tutorial project
- 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

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- 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>

