

# 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



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**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



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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**



# 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)



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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>

