

# Properties of JChemPaint

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Madhuri Ganapathi

IIT Bombay

1 January 2015



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# Learning Objectives



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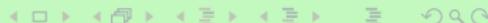


# Learning Objectives

We will learn



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# Learning Objectives

We will learn

- Periodic table trends



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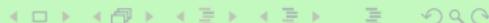
# Learning Objectives

We will learn

- Periodic table trends
- Draw a reaction



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# Learning Objectives

We will learn

- Periodic table trends
- Draw a reaction
- **Set up R-Group query**



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# System Requirement



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# System Requirement

- Ubuntu Linux OS v 12.04



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# System Requirement

- Ubuntu Linux OS v 12.04
- JChemPaint v 3.3-1210



# System Requirement

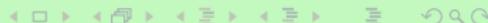
- Ubuntu Linux OS v 12.04
- JChemPaint v 3.3-1210
- Java v 7



# Pre-requisites



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# Pre-requisites

You should be familiar with



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You should be familiar with

- JChemPaint **chemical structures editor**



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# Pre-requisites

You should be familiar with

- **JChemPaint** chemical structures editor
- **If not, for relevant tutorials please visit**

<http://spoken-tutorial.org>



# R-group query



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# R-group query

- An R-group query involves a Root structure and substituents

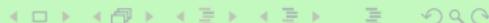


# R-group query

- An R-group query involves a Root structure and substituents
- It represents substitution on the same Root structure



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# R-group query

- An **R-group query** involves a **Root structure** and substituents
- It represents substitution on the same **Root structure**
- It can involve derivatives which differ in one or more substituents



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# Summary

- Periodic table trends
- Draw a reaction
- Set up R-Group query



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# Assignment

- 1 Explore various Periodic table trends
- 2 Draw reactions of your choice



# 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

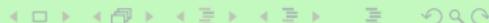


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- If you do not have good bandwidth, you can download and watch it



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# 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>

