

# Properties of JChemPaint

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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1 January 2015



# Learning Objectives



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We will learn



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- Periodic table trends



Talk to a Teacher

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- Draw a reaction



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- Set up R-Group query



Talk to a Teacher

# System Requirement



Talk to a Teacher



# System Requirement

- Ubuntu Linux OS v 12.04





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



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



# Pre-requisites



Talk to a Teacher



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You should be familiar with



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You should be familiar with

- JChemPaint chemical structures editor



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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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- 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



# 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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- 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

- 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>

