

Customizing Diagram Layout

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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IIT Bombay

3 April 2016



Learning Objectives



Learning Objectives

In this tutorial we will learn how to:



Learning Objectives

In this tutorial we will learn how to:

- **Change color, shape and width of a Reaction line**



Learning Objectives

In this tutorial we will learn how to:

- Change color, shape and width of a Reaction line
- Add Anchor points to a Reaction line



Learning Objectives

In this tutorial we will learn how to:

- Change color, shape and width of a Reaction line
- Add Anchor points to a Reaction line
- **Align Components**



Learning Objectives

In this tutorial we will learn how to:

- Change color, shape and width of a Reaction line
- Add Anchor points to a Reaction line
- Align Components
- Show/hide Reaction ids



Learning Objectives



Learning Objectives

We will also learn how to:



Learning Objectives

We will also learn how to:

- **Add notes to Components**



Learning Objectives

We will also learn how to:

- Add notes to Components
- Edit Protein/Gene



Learning Objectives

We will also learn how to:

- Add notes to Components
- Edit Protein/Gene
- **Edit information**



Learning Objectives

We will also learn how to:

- Add notes to Components
- Edit Protein/Gene
- Edit information
- And get a Bird's eye view of the diagram



System Requirement



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To record this tutorial, I am using:



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To record this tutorial, I am using:

- **Ubuntu Linux OS 14.04**



System Requirement

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- Ubuntu Linux OS 14.04
- CellDesigner version 4.3



System Requirement

To record this tutorial, I am using:

- Ubuntu Linux OS 14.04
- CellDesigner version 4.3
- Java version 1.7



Customizing Diagram Layout



Customizing Diagram Layout

Learners should be familiar with:



Customizing Diagram Layout

Learners should be familiar with:

- **Undergraduate Biochemistry and**



Customizing Diagram Layout

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- **CellDesigner interface**



Customizing Diagram Layout

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- CellDesigner interface
- For CellDesigner tutorials, please visit the Spoken Tutorial website



Customizing Diagram Layout



Customizing Diagram Layout

Assignment for the previous tutorial was:



Customizing Diagram Layout

Assignment for the previous tutorial was:

- **Build a process diagram for Methionine Biosynthesis**



Customizing Diagram Layout



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- **Let us start customizing the diagram**



Customizing Diagram Layout



Customizing Diagram Layout

- **How to add Anchor points on the Reaction line**



Customizing Diagram Layout



Customizing Diagram Layout

Anchor points are useful to:



Customizing Diagram Layout

Anchor points are useful to:

- **Turn around the Reaction lines**



Customizing Diagram Layout

Anchor points are useful to:

- Turn around the Reaction lines
- Give them a proper shape



Customizing Diagram Layout

Anchor points are useful to:

- Turn around the Reaction lines
- Give them a proper shape
- **And place them in the correct position on the draw area**



Summary



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- And get a Bird's eye view of the diagram



Assignment

- 1 Create a Glycolysis Process Diagram using tools in CellDesigner
- 2 Explore different shapes of Reaction line

Hint: Orthogonal and Polyline



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- 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



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>

