Instructions for customizing the synthetic map

In the following document, we will provide instructions on setting up your customized synthetic map.

You will require the following programs (or their equivalents):

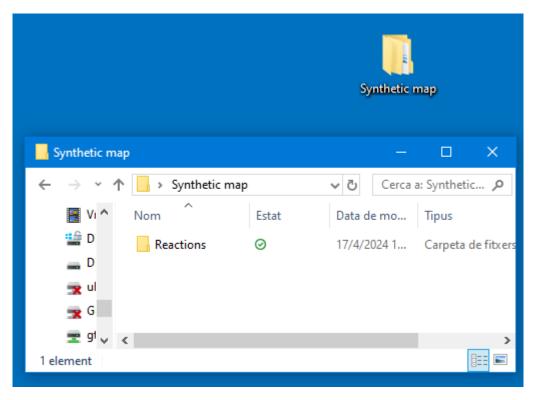
- ChemDraw Professional
- Adobe Dreamweaver
- A web hosting service and a domain name

The basic steps to follow are the following:

- 1. Setup the file structure to store your customized synthetic map
- 2. Design your own customized synthetic map
- 3. Set up the main page
- 4. Make pages for individual reactions
- 5. Link the reactions to the main page of the synthetic map
- 6. Upload your customized synthetic map to a server

1. Setup the file structure to store your customized synthetic map

Set up a folder called "Synthetic map," where you store all your files for your customized synthetic map. Inside this folder, set up a subfolder called "Reactions."

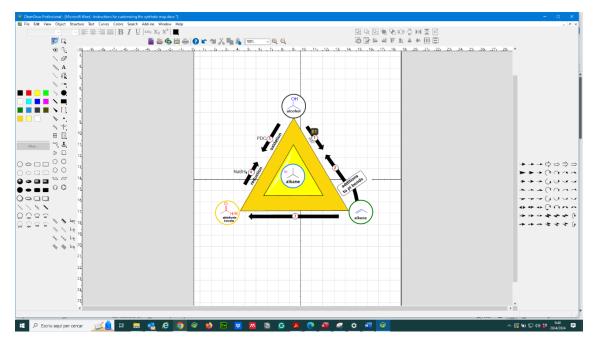


2. Design your own customized synthetic map

You can design your synthetic map from scratch using the basic design principles we outline in the "An Introduction to Synthetic Map video."

Alternatively, you can use our Chemdraw diagram (which we provide on the website as a download) as the starting point for your customized synthetic map and modify it to your needs.

For this demonstration, we will use the following very simplified version of the synthetic map:

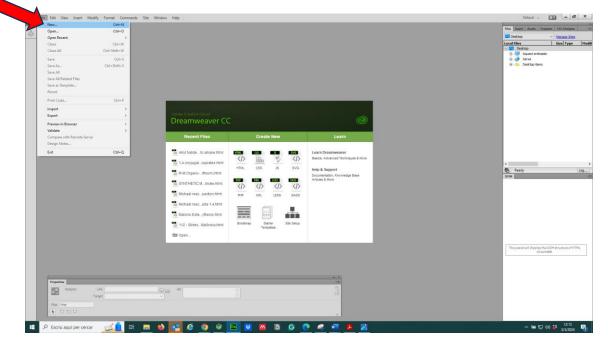


Once you have prepared your synthetic map, save the drawing in the main site folder as a chemdraw file named **Synthetic map.cdxml** and as a .gif file named **Synthetic map.gif**.

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3. Set up the main page

Open Dreamweaver, go to File, and then New.



Then select the **HTML** file option and hit **Create**.

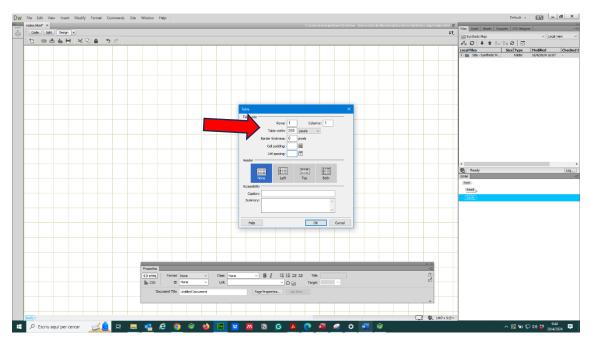
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Save the page as **index.html** in the main folder.

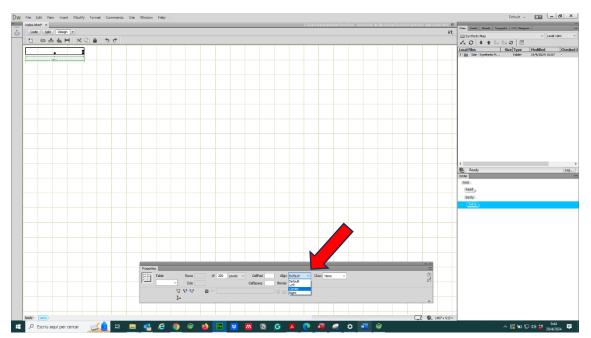
Go to the Insert menu and select table

Settings:

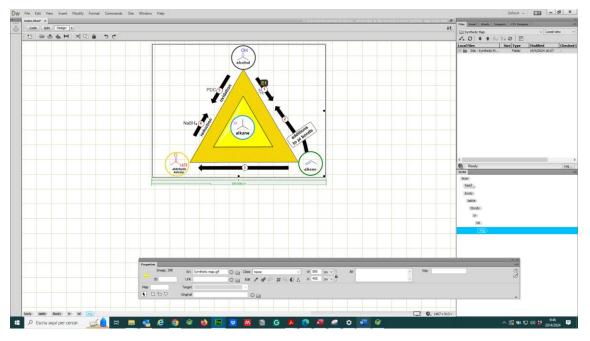
- Rows: 1
- Columns: 1
- Border thickness: 0



Select your table, and in the properties box, select center.



Place your cursor in your table, then go to **Insert** and select **Image**.



Select the .gif image of your synthetic map from the site folder.

Save your work.

4. Make pages for individual reactions

To make your page for any reaction the process is similar to that described above.

Make a new folder for your reaction in the reactions folder set up in part 1. Use a name that describes the reaction: for example, "NaBH₄ reduction."

Open a new HTML file and save it in the folder you created with the same name. In Chemdraw, prepare the corresponding images required – one for the reaction (save as reaction.cdx and reaction.gif) and one for the mechanism (save as mechanism.cdx and mechanism.gif)

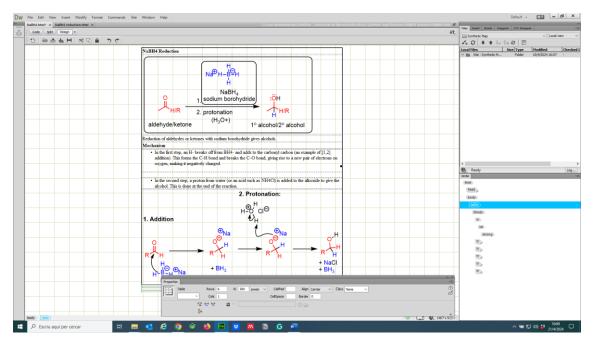
You should now have a folder with the following files:

> Synthetic map > Reactions > NaBH4 reduction			
•	Nom	Tipus	
nts	REACTION.gif	Fitxer GIF	
i	REACTION.cdx	CS ChemDraw Drawing	
	💑 NaBH4 reduction.html	Fitxer HTML	
	MECHANISM.gif	Fitxer GIF	
ide 3	MECHANISM.cdx	CS ChemDraw Drawing	

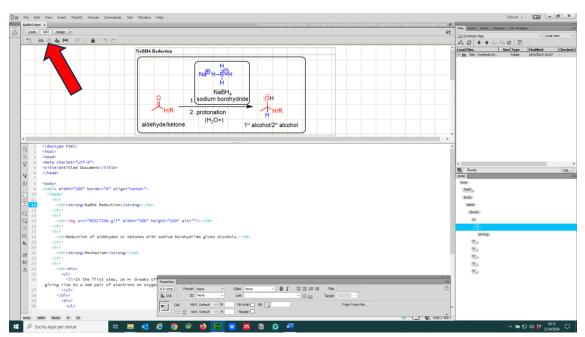
As before, insert a centered table, but this time, it should have six rows and one column.

To each row of the table, add the information required:

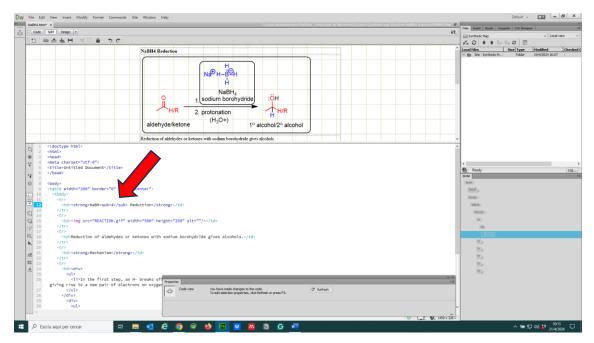
- 1. Title of the reaction
- 2. Reaction image (reaction.gif)
- 3. Information about the reaction
- 4. Mechanism title
- 5. Information about the reaction
- 6. Image of the mechanism (mechanism.gif)



To add subindex or superindex to formulas and charges, it is necessary to do it through the code view by selecting "Split" view:

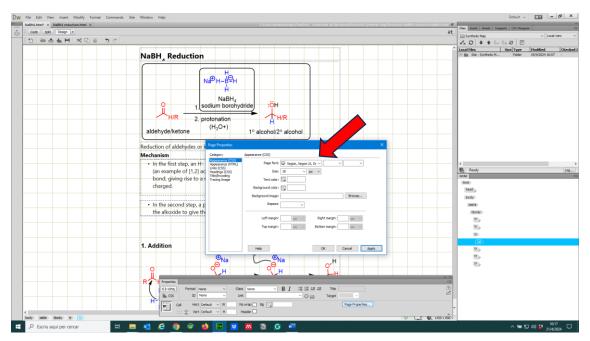


Add the HTML tags **^{** and **}** around any number or charge you want to display in superindex.



Use the HTML tags _{and} around the item to display in subindex format.

Finally, make any changes formatting changes by clicking on page properties to select the font and size.

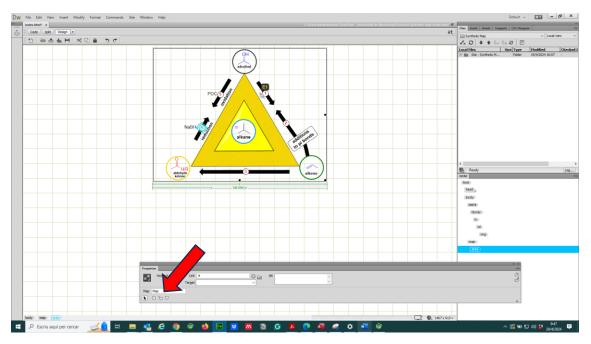


For this example, we chose page font: Segoe,... and text size: 18

Repeat this process for each of the reactions in your map.

5. Link the reactions to the main page of the synthetic map

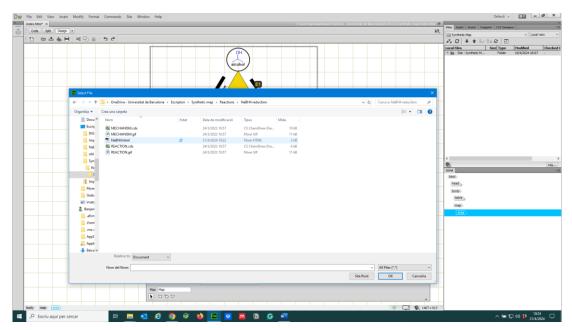
In the properties bar, select the circle option and outline one of the reactions.



Then click on the blue circle and add where you want it to link. Here there are two possible options:

Option 1 - Link to a web address: Go to the web address of a page that contains information about the reaction. For example, you can link to the corresponding reaction page of our synthetic map by opening the page in your browser and copying the web address to the link box in the properties tab.

Option 2 - Link to a page you made in Dreamweaver in step 4: Click on the folder icon and find the corresponding HTML page in your synthetic map reactions folder.

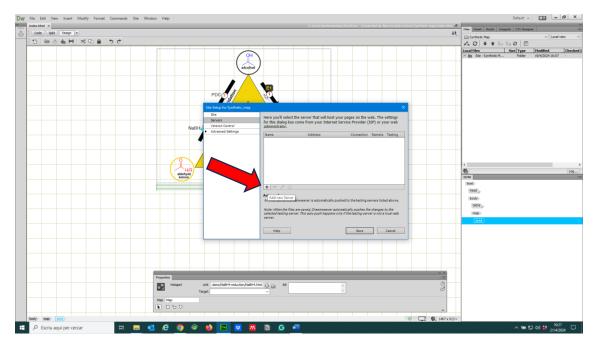


6. Upload the synthetic map to a server

Open the tab **Site** menu, add the name of your site, and indicate the location of the site folder.

Site Setup for My customized synthetic map				
•	Site Servers Version Control Advanced Settings	A Dreamweaver site is a collection of all of the files and assets you use in your website. A Dreamweaver site usually has two parts: a local folder on your computer where you store and work on files, and a remote folder on a server where you post the same files to the web.		
		Here you'll select the local folder and a name for your Dreamweaver site. Site Name: My customized synthetic map Local Site Folder: C:\Users\benbradshaw\OneDrive - Universitat de Barcelona\ 🗁		
		Help Save Cancel		

Then select the **Servers** tab and click on the + to add a new server.



In the dialog box, fill in the required information. Your hosting provider will have provided you with the required codes. In the Web URL box, add your domain name linked to your hosting provider.

Site Setup for Synthetic_map X				
	Site		Basic Advanced	settings
	Servers			ur web
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►.	Advanced			
		Connect using:	FTP	Testing
		FTP Address:	ftp.myhostprovider.com	
		Username:	myusername	
		Password:	Save	
			Test	
		Root Directory:	public_html/	
		Web URL:	http://www.mydomainname.com/	
		More Options		d above.
		Help	Save Cancel	o the local web
			Help	Cancel

Now go to the right-hand tab of your files view – and press the \uparrow arrow. Dreamweaver will upload your synthetic map to the hosting server.

