

Ideas for Communicating on Zoom

We realize that sometimes it may be difficult to deal with technological issues, such as screen sharing, in order to communicate ideas while working together on a problem. Here are some ideas Dr. Casey, the TAs and LAs have come up with and we hope that this will help you find **what works best for you and your group!**

This document will provide suggestions for both Windows and MacOS users 😊

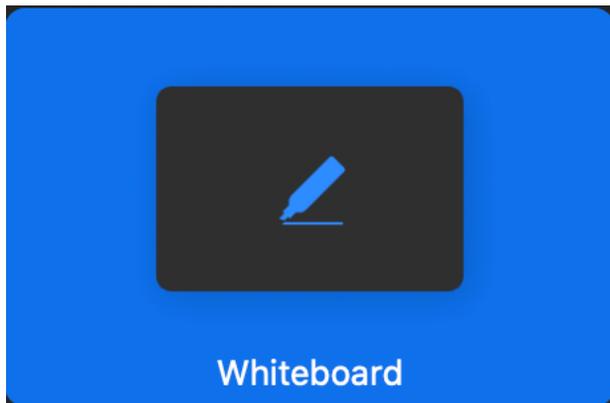
Whiteboard – The whiteboard is a work space that may be pulled up when your group wants to discuss about a problem.

To activate Whiteboard:

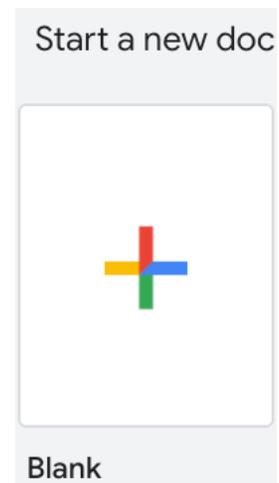
1. Click “Share Screen”



2. Click “Whiteboard”



Google Docs – Google Docs is a pretty convenient place to share your ideas. Create a Google Doc and share it with your group. Feel free to copy and paste the questions but please remember that the Recorder must turn in a [pdf file](#) of the completed worksheet!



As the **recorder**, it would be useful to open up the worksheet while **sharing your screen** so your group can be on the same page. Below are some suggestions for applications that would allow you to **annotate** on the worksheet, allowing everyone to see the answers that your group has come up with.

MacOS

Preview - For MacOS users, the built-in preview function allows users to add text and draw on pdf files.

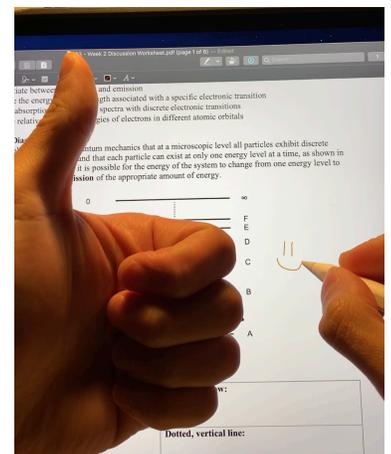
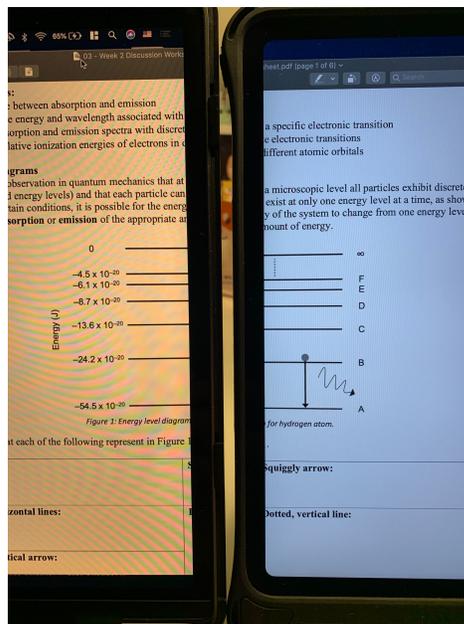
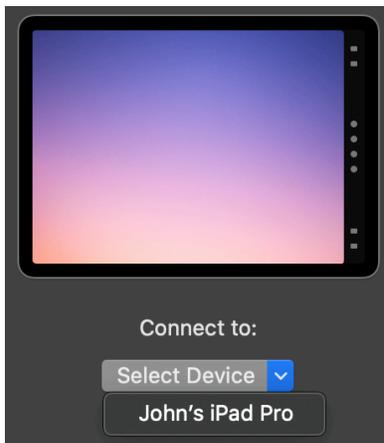
Right click on the pdf -> Open With -> Preview

Sidecar (MacOS Catalina only) – Sidecar is useful for turning your compatible iPad into a writing tablet. (Requires apple pencil!)

1. Search for Sidecar in System Preferences and open it



2. Connect to a compatible iPad -> Move worksheet over to iPad -> Draw smiley face 😊



Windows

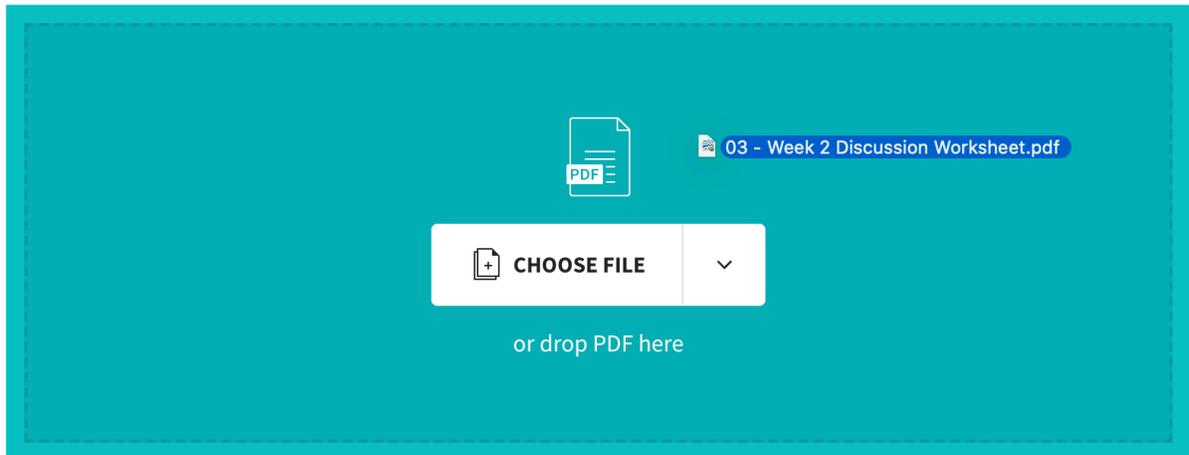
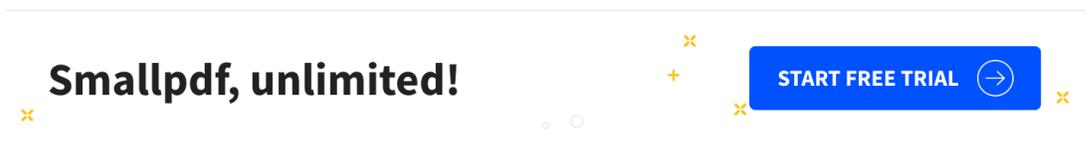
Since windows doesn't come with a built-in pdf editor, you could use:

Online PDF Editor - <https://smallpdf.com/edit-pdf>

Just drag and drop your pdf file!

PDF Editor

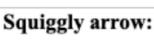
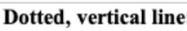
The best online tool to edit PDF documents



The editor allows you to **add text** and **draw** on the pdf. Though limited in functionality, it's free!



1. Describe what each of the following represent in Figure 1.

 Ray dot:	 Squiggly arrow:
<input type="text" value="Type answers here"/>	
 Solid, horizontal lines:	 Dotted, vertical line:
 Solid, vertical arrow:	

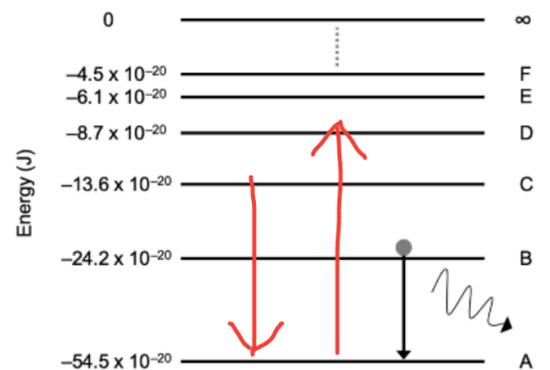
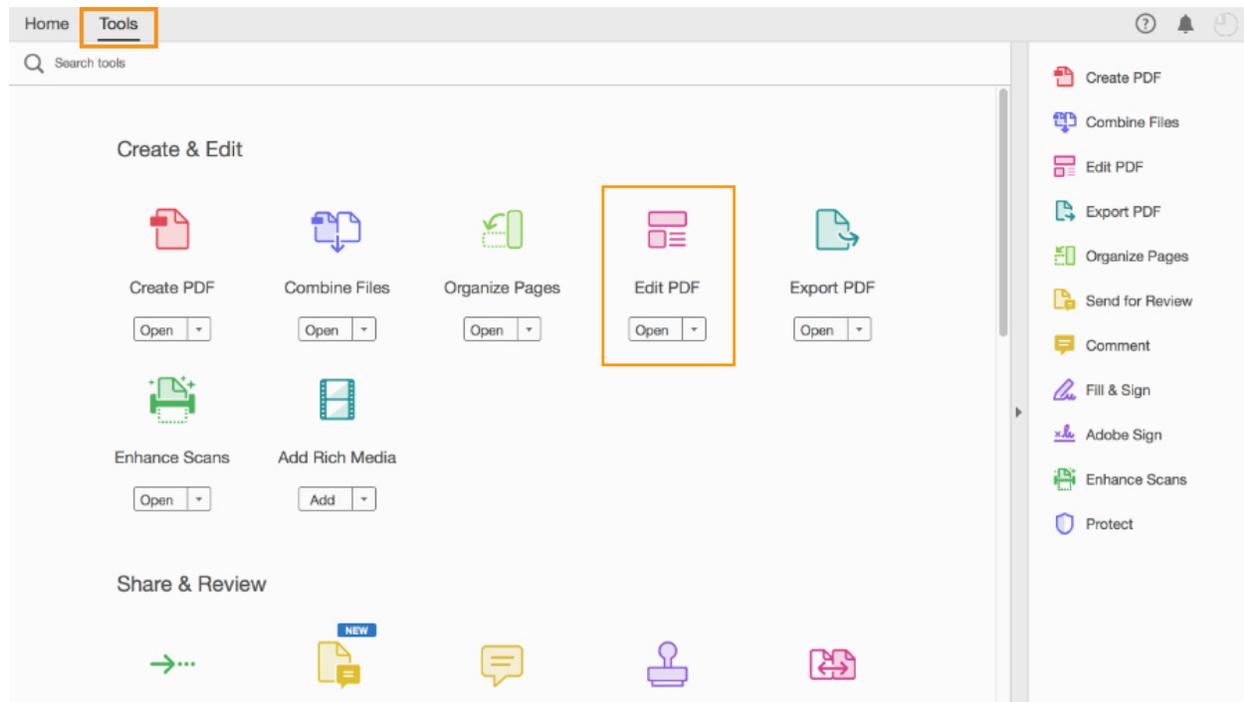


Figure 1: Energy level diagram for hydrogen atom.

Adobe Acrobat – A good pdf editor on Windows and Mac. However, this program is not free. Do not feel the need to buy it if you do not already have it on your computer.



These are just some suggestions and you are not obligated to use them! But we encourage you to find what works for your group! Feel free to be creative and share any suggestions you may come up with!