

Biology 3A Laboratory
 Photosynthesis graphing instructions (11C) – Excel 2007

Enter your data on your Excel spreadsheet as indicated in Table 1.

- Construct a line graph of abs vs wavelength first.

DESIGN TAB

- Add data for O2 production
- Make sure that you select the empty cells from 400 to 700 nm.
- You should now have 3 data point on your figure

Formatting second Y-axis

- Click on one of the points your just plotted
- Right click
- Format data point
- Series option
 - Select secondary axis

Now label both y-axes and the x-axis

Wavelength (nm)	abs	O2 Production (mL/min)
400	1.475	
410	1.66	
420	1.76	
430	1.85	
440	1.6	0.9
450	1.4	
460	1.3	
470	1.2	
480	0.98	
490	0.49	
500	0.21	
510	0.12	
520	0.11	
530	0.11	
540	0.11	0.08
550	0.1	
560	0.1	
570	0.11	
580	0.11	
590	0.11	
600	0.21	
610	0.27	
620	0.279	
630	0.31	
640	0.329	
650	0.53	
660	0.91	
670	0.9	
680	0.3	0.3
690	0.08	
700	0.038	