Formal Report: Synthesis Project Para Red Synthesis Chem 228 WS/2016

General/Grammar (20 points): Justification - not left and right justified -5 Poor general page layout (margins, font, etc) -5 Title - not properly worded -2 Spelling - general words misspelled -4 each -4 each -6. Grammar failure to comply with the following: -2 to -10 -1. Jused and maintained proper tense for section, good general grammar Missing page numbers, cover page, section labels -5 each General format of tables and figures -2 to -5 Failure to attach this gradesheet to paper front -5 Subtotal: (not to exceed -20 points) Abstract (10 points): Missing Abstract entirely -10 Abstract not really an abstract -8 Missing chemical names or reactions -2 to -5 Missing mention of how purity was checked -2 to -5 (eg. IR, NMR, GC, TLC etc.) Subtotal: (not to exceed -10 points) Introduction (20 points): Missing background information -Reasons for selecting compounds produced -3 -Commercial importance, sources, uses, etc4 -Review of reactions used, advant. & disadvan5 to -10 -Alternate synthesis routes, if possible -5 Subtotal: (not to exceed -20 points) Procedure (60 points): Did not use 3- person, past tense -10 Missing balanced equations -5 to -20 -4 Missing structures of chemicals -3 to -12 -Missing structures of chemicals -3 to -15 -5 to -20 -5 some info in table inaccurate or missing -3 to -15 -7 able split across 2 pages -5 -7 Procedure not all inclusive or incorrect -3 to -10 -Missing tests used (e.g. IR, NMR, GC, TLC) -2 to -10	Name:	Sect	tion:	
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IR Analysis (60 pts): Missing IR from intermediate steps or all steps Missing reference IR from intermediates Missing tables for the IR analysis -Peak analysis incorrect -Not all "significant" peaks analyzed Subtotal: (not to exceed -60 points)	-10 each -10 each -20 each -2 to -10 -2 to -10			
NMR Analysis (60 pts): Missing NMR from intermediate steps or all steps Missing reference NMR from intermediates Missing tables for the NMR analysis -Peak analysis incorrect -Not all "significant" peaks analyzed Subtotal: (not to exceed -60 points)	-10 each -10 each -20 each -2 to -10 -2 to -10			
Discussion/Results (60 points): Missing Tables of Results -Product masses, % Yields, MP, other tests besides IR, NMR (eg. GC, TLC) Missing or incorrect calculations of % yield Missing discussion of side reactions, yields, etc. Discussion not logical Missing discussion of "How to Improve Experiment" Subtotal: (not to exceed -60 points)	-5 to -20 -5 each -5 to -10 -5 to -15 -5 to -10			
References (10 points): No references References are not endnotes Incorrect formatting of citations Failure to give citations for various information Subtotal: (not to exceed -10 points)	-10 -8 -5 -2 each			
Participation/Yellow Sheets (100 points): Failure to turn in yellow sheets (raw data) Failure to turn in final product Missing pre-lab information for each step (may all be included in one table) Missing experimental details Pages not dated and signed by experimenter and TA Did not void blank spaces/Initial Subtotal: (not to exceed -100 points)	-100 -10 -15 each -10 to -30 -10 ea -5 each			
Late Penalty (After final exam, Wednesday 5/3/16)	-20pt	/da _		
Total of reduced points (not to exceed -400 points):		_		
Grand Total (400 minus Total of Reduced Points):				