

Name: _____

Period: _____ Lab Subject: _____

		DESIGN		
Criterion	Complete (4)	Partial (2)	None (0)	Points
Defining the problem	Formulates a focused problem / research	Formulates a problem / research question that is	Does not identify a problem / research	4/3/2/1/0 N/A
C - l + l	question	incomplete	question	1/2/2/1/0
Selecting Variables	Identifies the relevant variables	Identifies only some relevant variables	Does not identify any relevant variables	4/3/2/1/0 N/A
Controlling	Designs a method for	Designs a method that	Designs a method	4/3/2/1/0
Variables	effective control of variables	makes some attempt to control variables	that does not control the variables	N/A
Developing a	Develops a method that	Develops a method that	Develops a method	4/3/2/1/0
method for	allows for collection of	allows for insufficient	that does not allow	N/A
Collecting Data	sufficient relevant data	collection of relevant data	for any relevant data collection	
	DATA		uutu concetion	
Criterion	Complete (4)	Partial (2)	None (0)	Points
Recording Quantitative Raw Data	Records appropriate quantitative raw data	Records appropriate quantitative raw data with some mistakes or omissions	Does not record any appropriate quantitative raw data or data is incomprehensible	4/3/2/1/0 N/A
Recording Qualitative Raw Data	Records appropriate qualitative raw data	Records appropriate qualitative raw data with some mistakes or omissions	Does not record any appropriate qualitative raw data or data is incomprehensible	4/3/2/1/0 N/A
Recording units and uncertainty	Raw data includes units and uncertainty where appropriate	Raw data includes units and uncertainty with some mistakes or omissions	Raw data does not include appropriate units and uncertainty	4/3/2/1/0 N/A
Processing raw data	Processes quantitative raw data correctly	Processes quantitative raw data with some mistakes or omissions	No processing of quantitative raw data or major mistakes made	4/3/2/1/0 N/A
Presenting raw data	Presents processed data appropriately	Presents processed data appropriately with some mistakes or omissions	Presents processed data inappropriately or incomprehensibly	4/3/2/1/0 N/A
Presenting units,	Presents processed data	Presents processed data	Major mistakes	4/3/2/1/0
errors and uncertainties	with appropriate units, errors and uncertainties	with units, errors and uncertainties with some mistakes or omissions	and/or omissions in unit, error and uncertainty presentation	N/A
Cuitorian	Complete (A)	CONCLUSION AND EVALUATION	Next (0)	Deinte
Criterion Concluding	Complete (4)	Partial (2)	None (0)	Points
Concluding	States a conclusion, with justification, based on a reasonable interpretation of the data	States a conclusion, based on a reasonable interpretation of the data	States no conclusion or the conclusion is based on an unreasonable interpretation of the data	4/3/2/1/0 N/A
Evaluating Procedure(s)	Evaluates weaknesses and limitations	Identifies some weaknesses or limitations, but the evaluation is weak or missing	Identifies irrelevant weaknesses and limitations	4/3/2/1/0 N/A
Improving the Investigation	Suggests realistic improvements with respect to identified weaknesses and limitations	Suggests only superficial improvements	Suggests unrealistic improvements or fails to address weaknesses or limitations	4/3/2/1/0 N/A