MINI POSTER EVALUATION RUBRIC **Topic:** _____

Author(s): _____ **Evaluator:** _____

SCORE	ADVANCED (3)	PROFICIENT (2)	NEEDS IMPROVEMENT (1)
Question			
	Question is narrowly focused and suggests how an answer might be investigated. It is answerable.	Question is answerable but not narrowly focused.	Question is too broad and/or not practically investigated.
Identification of Variables			
	Correctly identifies specific, measurable independent and dependent variables.	Identifies variable being tested and variable being measured.	Variables and constants significantly incomplete and/or inaccurate.
Hypothesis			
	Hypothesis is testable and clearly stated. Predicts relationship between dependent and independent variables and explains *why* this prediction is made.	Hypothesis is clearly stated. It predicts the influence of one variable on another.	Hypothesis is poorly stated and doesn't directly mention the variables.
Procedures/Materials			
	Accurately tests the hypothesis.	Attempts to test hypothesis.	Does not address hypothesis.
	Conducts at least three trials. (If materials limit experiment to one trial, full credit will be awarded if need for multiple trials is explained.)	Multiple trials attempted or need is recognized.	Single trial, poor understanding or use of multiple trials.
	Procedure is in vertical list format, accurate, complete, easy-to-follow, and reproducible by another person. Includes diagrams to clarify procedures and/or equations used.	Step-by-step procedure, generally complete. Minor errors/omissions make it difficult to follow or not always repeatable.	Procedure difficult to follow. Major omissions or errors.
	Includes all appropriate safety concerns, or clearly states if there are none.	Includes some safety concerns, not all.	Safety concerns trivial or inadequately addressed.
Data Collection and Presentation			
	Data table contains accurate, precise raw data and summary data reported in correct SI units with descriptive title.	Data table with accurate data, most units labeled or implied. Minor errors. Title absent or trivial.	Data table inaccurate, confusing, and/or incomplete. Missing units.
	Data summarized in well-organized, easy-to-read graph and/or figures. Descriptive title, appropriate labeling, keys, etc.	Data displayed in well-organized, easy-to-read graph and/or figures. Minor errors in use of units, labeling, or title. Graph type not ideal for data collected.	Graph/figures confusing and/or sloppy. Format of graph doesn't show the required information.
	Data summarized in a clear, concise, logical manner. Patterns identified and described, but no conclusions drawn. (Summary in captions OK)	Reasonable, but somewhat unclear summary of data. Patterns in data not clearly identified.	Summary is unclear and illogical. Patterns in data are not identified.
Conclusion			
	Scientifically valid, logical conclusion, well-supported by the data collected. Clearly addresses problem/hypothesis and offers a clear explanation of why the results were achieved.	Scientifically valid, logical conclusion, supported by data collected. Attempts to address problem and stated hypothesis, offers trivial explanation of results.	Conclusion is incomplete or illogical. Does not address the problem/hypothesis or explain the results.
	Sources of error identified and explained. Appropriate recommendations made to eliminate errors.	Sources of error identified.	Weak/trivial attempt to identify sources of error.
	Student generates specific questions for future study.	Student makes attempt to generate questions for future study.	Student makes incomplete or inappropriate attempt to extend or apply knowledge.

Total: _____

Points	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13
Grade	**100**	**98**	**96**	**95**	**93**	**91**	**89**	**88**	**86**	**85**	**83**	**81**	**80**	**78**	**76**	**74**	**72**	**70**	**68**	**66**	**64**	**62**	**60**	**58**	**55**	**52**	**50**