

Flame on a Lazy Susan Assignment Rubric

CATEGORY	4	3	2	1
Materials 4	Exceptional detail	All materials and setup used in the experiment are clearly and accurately described.	Most of the materials and the setup used in the experiment are accurately described.	Many materials are described inaccurately
Procedure 4	Exceptional detail	Procedures are listed in clear steps. Each step is numbered and is a complete sentence.	Procedures are listed in a logical order, but steps are not numbered and/or are not in complete sentences.	Procedures do not accurately list the steps of the experiment or No procedure given
Drawings/ Diagrams 4	Exceptional detail	Clear, accurate diagrams are included and make the experiment easier to understand. Diagrams are labeled neatly and accurately.	Diagrams are included and are labeled.	Needed diagrams are missing important details or labels.
Observations/ Notes 4	Exceptional detail Comparisons to related experiences / events	At least 4 additional observations are included which describe details of the event.	2-3 additional observations are included which describe details of the lab	0-1 additional observations are included which describe details of the lab
Note new point Values	8	6	4	2
Analysis: Discussion of Data Paragraph 1: Properties Paragraph 8	Apply <u>detailed examples</u> relating to physical and chemical properties Details are supported by <u>additional</u> resources. Shows understanding of key science concepts and <u>connections to previous and/or higher level concepts</u>	All properties identified 3 physical properties of a gas 1 chemical property of lighter fluid 1 physical property of lighter fluid identified	3-4 properties discussed	1-2 properties discussed
Analysis: Discussion of Data Paragraph 2: Reaction Paragraph 8	Apply detailed examples relating to chemical change of matter Details are supported by additional resources. Shows understanding of key science concepts and connections to previous and/or higher level concepts	7-8 items accurately discussed Reactants identified Products identified Why a flame quits burning is explained	4-6 items accurately discussed	3 or less items accurately discussed
Analysis: Discussion of Data Paragraph 3: Explanation 8	___Apply detailed examples relating to physical properties of a gas	All points covered	2-3 items accurately discussed	1 items accurately discussed