

Science Experiment

Name: _____

	4. Distinguished	3. Proficient	2. Apprentice	1. Novice
Lab Work- Hypothesis: Prediction between experiment and results	Connection between the problem and expected outcome of experiment was obvious.	Hypothesis and problem were clearly connected.	No connection between hypothesis and experiment.	No hypothesis.
Lab Work- Materials and Equipment: List of materials used	Made complete list of materials used. Explained why materials were chosen.	Made complete list of materials used. Showed information about size and units of measurement.	Did not list one or two items used. Did not show details about items used.	List of materials was missing or showed only a few of the materials used.
Lab Work- Observations: Record data about what happened	Wrote down all data in clear handwriting. Made a chart to show the data. Had many details about what happened during the experiment.	Wrote down all data in clear handwriting. Had details about what happened during the experiment.	Missed up to three pieces of data. Wrote down most of the steps in the experiment.	Missed more than three pieces of data. Wrote down some of the steps in the experiment.
Lab Work- Safety: Follows rules and uses good judgment	Followed all safety rules and wrote about safety in their lab report.	Followed all safety rules.	Did not follow all safety rules.	Did not follow safety rules and caused a dangerous situation.

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Lab Work- Conclusion: Answers prediction and relates to hypothesis	Drew conclusions from the experiment. If hypothesis was false, it was changed and a new experiment was proposed.	Answered prediction and wrote whether hypothesis was true or false based on experiment.	Did not draw a conclusion about the hypothesis from the experiment.	Did not answer prediction or relate to the hypothesis.

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____ I have a hypothesis that can be tested by my experiment.

____ I have a list of materials used in my experiment.

____ My lab report has data that shows what happened during the experiment.

____ I followed safety rules.

____ My conclusion shows how my experiment answers my prediction and relates to my hypothesis.