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| CATEGORY | **4** | **3** | **2** | **1** |
| **Hypothesis Development** | Independently developed a hypothesis well-substantiated by a literature review and observation of similar phenomena. | Independently developed a hypothesis somewhat substantiated by a literature review and observation of similar phenomena. | Independently developed a hypothesis somewhat substantiated by a literature review or observation of similar phenomena. | Needed adult assistance to develop a hypothesis or to do a basic literature review. |
| **Data Collection** | Data was collected several times. It was summarized, independently, in a way that clearly describes what was discovered. | Data was collected more than one time. It was summarized, independently, in a way that clearly describes what was discovered. | Data was collected more than one time. Adult assistance was needed to clearly summarize what was discovered. | Data was collected only once and adult assistance was needed to clearly summarize what was discovered. |
| **Conclusion/Summary** | Student provided a detailed conclusion clearly based on the data and related to previous research findings and the hypothesis statement(s). | Student provided a somewhat detailed conclusion clearly based on the data and related to the hypothesis statement(s). | Student provided a conclusion with some reference to the data and the hypothesis statement(s). | No conclusion was apparent OR important details were overlooked. |