

Student Self-Assessment of Independent Investigations with Catalase

Your completed unit sheet and data log are due on _____ (date).

| Skills Assessed in this Unit | Evidence |
|--|----------|
| Planning <ul style="list-style-type: none"> • Formulate a hypothesis that includes a proposed quantitative relationship between two variables. • Select and describe any relevant variables that might affect the outcome even though they may not be specifically investigated. • Design realistic procedures including methods for control of variables and a description of measurement techniques used in collection of data. | |
| Data collection <ul style="list-style-type: none"> • Observe and record raw data with precision, include qualitative and quantitative data with appropriate units. • Present data graphically, as well as in tables. | |
| Data analysis <ul style="list-style-type: none"> • Use statistical and graphical analysis to transform and manipulate data • Present data appropriately, to communicate effectively. Presentation is neat, and clear titles and labels are used. | |
| Evaluation <ul style="list-style-type: none"> • Evaluate the result(s) of the experiment • Evaluate the procedure(s) considering processes and techniques, use of materials and time management. • Suggest modifications of the procedure as appropriate. | |
| Personal skills <ul style="list-style-type: none"> • Approach experimentation with self-motivation, demonstrated by taking initiative and working with minimal direction from the teacher. • Approach experimentation with perseverance, demonstrated by continuing to work with steady effort in spite of difficulties. • Demonstrate awareness of personal and environmental safety concerns as you work. | |