

## Grasshoppers on Nihoa: thinking about and doing science

### Criteria for assessing experiment #1: Grasshopper Plant Food Preference --

#### Hypothesis (10 points) \_\_\_\_\_

- is in the “If..., then...” format
- has a good summary of the experiment’s methods written between “If” and “then”
- has a definitive prediction specifying which plant food would have the greatest numbers of grasshoppers

#### Date table (10 points) \_\_\_\_\_

- has a title
- columns have clear, descriptive headings
- provides columns and/or rows to record grasshopper numbers for each of the 3 plant sites, and for each of the 5 quadrat counts
- has a column or row for entering the average of the 5 quadrats within each plant site

#### Conclusion (20) \_\_\_\_\_

- accurately performed calculations for data averages and range
- able to use data and data calculations to reach conclusions
- able to explain how they analyzed the data to reach conclusion
- demonstrated using data to address hypothesis

TOTAL POINTS: \_\_\_\_\_

Teacher comments:

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