#### Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_

#### EOC Practice Procedure

#### Salmonberry Plants

#### Directions: Use the following information to create a procedure for a related Experimental Question.

Salmonberry plants can be found all along the Pacific coast. Salmonberry plants are a food source for many animals in Pacific coast ecosystems including hummingbirds, deer, and bear. Scientists conducted a field study to learn about salmonberry plant populations in different habitats in Washington.

**Field Study Question:** How does the salmonberry plant population vary by habitat?

#### Procedure:

1. Go to the salmonberry field study area. Record location, date, time, and temperature.
2. Choose a random location in the forest edge habitat.
3. Measure a 5-meter-by-5-meter plot and label as Plot 1.
4. Count the number of salmonberry plants in Plot 1. Record as Plot 1 for the forest edge habitat.
5. Repeat steps 2 through 4 for Plot 2 and Plot 3, choosing a new location in the forest edge habitat for each plot.
6. Repeat steps 1 through 5 for the stream bank and forest habitats.
7. Calculate and record the average number of salmonberry plants for each habitat.



#### Data Collected:

Location: Forest edge, stream bank, and forest habitats Date and Time: May 1, from 11:00 A.M. to 2:00 P.M. Temperature: 10° C to 15° C

1. Plan a field study to answer the question in the box. You may use any materials and equipment in your procedure.

Be sure your procedure includes:

* logical steps to do the field study
* conditions to be compared
* data to be collected
* method for collecting data
* how often measurements should be taken and recorded
* environmental conditions to be recorded

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| **Field Study Question: How does the total rainfall in different years affect the mass of berries produced by a salmonberry plant?** |
| **Procedure:** |
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| **Attribute** | **Score** |
| 1. Method of Collecting Data
 |  |
| 1. Conditions to be Compared
 |  |
| 1. Data to be Collected
 |  |
| 1. Record Measurements
 |  |
| 1. Observations are repeated
 |  |
| 1. Extra Validity Measure
 |  |
| 1. Logical Steps
 |  |
| 1. Experimental and Control Groups
 |  |
| **Total:** | **/8** |