Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_

**Leaf Observations**

Write the definitions for the following:

* *Qualitative Observation*-
* *Quantitative Observation*-

***Procedure:***

In your group, find 4 different types of leaves. You have 15 minutes to gather your leaves. NOTE: We will bring the leaves back to the classroom for more observations. For each leaf, write down at least 3 qualitative and at least 2 quantitative observations. You should have enough observations recorded so that you can distinguish between all 4 leaves by your descriptions alone. Then sketch each leaf showing the observations that you recorded. Please color your sketch as close to the actual color as possible. Preserve your leaves to be taped to a piece of paper.

***Observations:***

**Leaf 1:**

|  |  |
| --- | --- |
| **Quantitative Observations:****Qualitative Observations:** | **Leaf sketch:** |

**Leaf 2:**

|  |  |
| --- | --- |
| **Quantitative Observations:****Qualitative Observations:** | **Leaf sketch:** |

**Leaf 3:**

|  |  |
| --- | --- |
| **Quantitative Observations:****Qualitative Observations:** | **Leaf sketch:** |

**Leaf 4:**

|  |  |
| --- | --- |
| **Quantitative Observations:****Qualitative Observations:** | **Leaf sketch:** |

Which leaf characteristics, qualitative or quantitative, were the most helpful in distinguishing between the leaves? **Explain.**