**Lab Worksheet**

##### Hypotheses:

Activity 1.

Activity 2.

Activity 3.

Activity 4.

##### Observations/Data Tables

Data Table 1. Particle Size Distribution and Soil Type

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Depth of Clay Layer (cm)** | **Depth of Silt Layer (cm)** | **Depth of Sand Layer (cm)** | **Total Depth (cm)** | **%**  **Clay** | **%**  **Silt** | **%**  **Sand** | **Soil Texture** |
| Soil Sample A |  |  |  |  |  |  |  |  |

Data Table 2. Determination of Soil Porosity

|  |  |
| --- | --- |
|  | **Time Taken for First Drop to Emerge from Column (s)** |
| Sand Sample |  |
| Clay Sample |  |
| Soil Sample A |  |

*continued on next page*

Data Table 3. pH Comparison of Soil Samples

|  |  |  |
| --- | --- | --- |
|  | **Soil Sample A** | **Soil Sample B**  **(Location Description: )** |
| pH |  |  |

Data Table 4. Nitrogen, Phosphorus, and Potash Comparison in Soil Samples

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Nitrogen** | **Phosphorus** | **Potash** |
| Soil Sample A |  |  |  |
| Soil Sample B |  |  |  |