

Lab: Investigating Soils

Observations/Data

Use the flowchart to determine which of the 11 texture classes best describes your soil samples. Record the observations and/or data you collected here.

Describe the color, feel, and appearance of each soil sample.

Sample 1:

Sample 2:

Sample 3:

Describe how you used the flow chart to determine the text of each soil sample. What is the texture of each soil sample?

Sample 1:

Sample 2:

Sample 3:

Describe the way that water drained from each soil sample.

Sample 1:

Sample 2:

Sample 3:

Analysis

Answer the following questions about this lab.

1. How did the feel of each soil relate to its texture?

2. Based on your observations, what kind of texture led to the fastest water drainage? What kind of texture led to the slowest water drainage? How do you think texture influences a soil's porosity and permeability?

3. Which, if any, of your three soil samples would be best suited for good agricultural production? Explain your answer.