

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Part 1: Soil Sample Analysis

1. Where did you collect your sample from? \_\_\_\_\_
2. Were there any rocks or sticks in your soil sample? \_\_\_\_\_
3. What do you think the texture of your soil will be? \_\_\_\_\_
4. Describe your soil sample while it is still dry. Are there any insects in your sample?  
\_\_\_\_\_  
\_\_\_\_\_

After putting on nitrile gloves, place a bit of soil in your palm. Add water using a dropper and knead the soil, trying to break up any clumps and making the soil into a moist putty texture. Add a mixture of soil and water until your soil holds in a ball when you squeeze it. Add water and soil as needed.

If the soil does not form a ribbon at all, the texture of your sample is loamy sand. If it does form a ribbon, follow the soil texture flowchart. Start with the upper-left hand box.

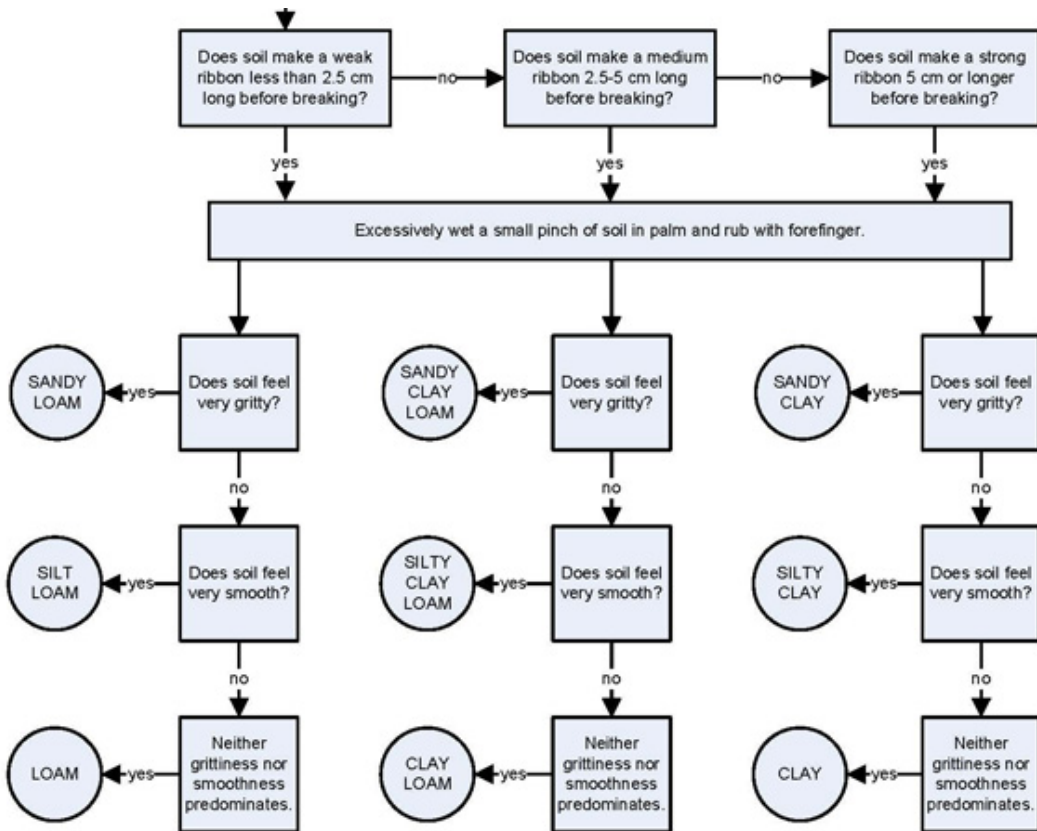


Image source: [https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/edu/?cid=nrcs142p2\\_054311](https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/edu/?cid=nrcs142p2_054311)

According to the flowchart, what texture is your sample? \_\_\_\_\_

Using the soil chemical testing kit, test the pH, Nitrogen, Phosphorus, and Potassium in your sample. Is it Surplus (+), Sufficient (S), Adequate (A), Deficient (D) or Depleted (Dp)?

pH \_\_\_\_\_ Nitrogen \_\_\_\_\_ Phosphorus \_\_\_\_\_ Potassium \_\_\_\_\_