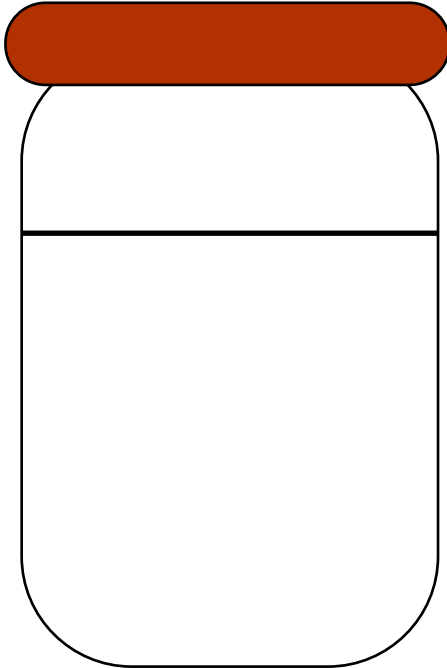


# Soil Composition Experiment

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

**Part One Directions:** Shake the jar of soil and water until it is well mixed. Let the soil settle for 40-60 seconds. After it has settled, work with a partner to estimate the amounts of sand, silt and clay in the soil jar. Fill in the percentages on the lines.



What Percent of the soil is:

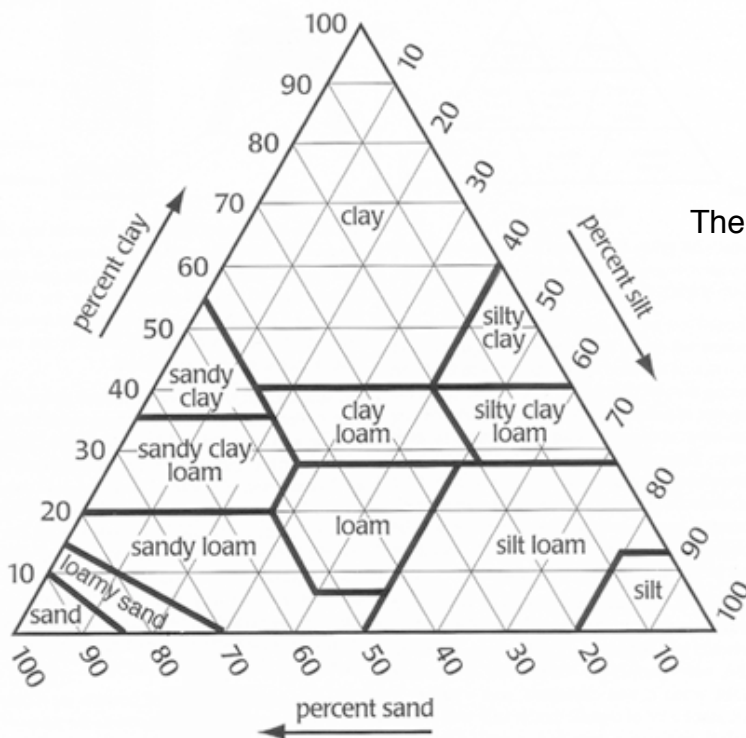
Sand \_\_\_\_\_

Silt \_\_\_\_\_

Clay \_\_\_\_\_

**Part Two Directions:** Using the percentages of silt, sand and clay from Part One, indicate on the Textural Triangle where the soil would be. Based on the the chart, determine what kind of soil is being used in our experiment.

Textural Triangle



The soil is \_\_\_\_\_.

# Soil Facts and Definitions Worksheet

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

**Directions:** Fill in the blanks to complete the facts and definitions about soil using the word bank provided below. Each word will only be used once.

smallest	largest	particles	rocks	Natchez
football field	sand	silt	clay	silky
smooth	easily	gritty	water	dirt

1. Soil is not \_\_\_\_\_.
2. Mississippi's state soil is \_\_\_\_\_.
3. Soil is made up of three different types of mineral particles called \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
4. Sand is the \_\_\_\_\_ type of mineral, made from fragments of \_\_\_\_\_.
5. Sand usually a \_\_\_\_\_ texture and can be \_\_\_\_\_ seen.
6. Silt is a medium sized soil element, made from microsand \_\_\_\_\_.
7. Silt is \_\_\_\_\_ or \_\_\_\_\_ to the touch and holds more \_\_\_\_\_ than sand does.
8. Clay is made of the \_\_\_\_\_ type of mineral particles.
9. A spoonful of clay could have the surface area of an entire \_\_\_\_\_.