

Soil Properties Data

Name: _____ Date: _____

Site: _____

Depth of soil temperature reading: _____

Use this chart to record data for the Soil Temperature, Compaction Test, and Percolation Test activities. If you did not do one of these, leave the row for that test blank. Each time you do the test, enter your data in a trial column. Leave any unneeded trial columns blank. After you finish testing, find the average of all of your trial data and record it in the last column. Enter the data for the Texture Test and Mud Shake below the chart.

| Test | Trial 1 | Trial 2 | Trial 3 | Trial 4 | Trial 5 | Average |
|---|---------|---------|---------|---------|---------|---------|
| Compaction How far did the pencil go into the ground? | | | | | | |
| Percolation How long did it take for the water to soak into the ground? | | | | | | |
| Soil Temperature | | | | | | |

Texture Test:

Enter your observations.

1. The soil feels (gritty, sticky, slick, other): _____

2. The particles sizes are (large, small, medium, other): _____

Mud Shake:

Enter your observations.

1. How many layers formed? _____

2. What particles settled in each layer? _____

Layer 1: _____ Layer 2: _____ Layer 3: _____

3. What else do you observe? _____

This worksheet supports the activities in the **Soil Properties** section on The Field Museum's *Underground Adventure* Web site: www.fieldmuseum.org/undergroundadventure.