Soils

Volunteer Name: ______________________
Profession: __________________________ Employer: __________________________

Soils Type, Structure & Productivity

1. Fill in the chart

<table>
<thead>
<tr>
<th>What are the 3 mineral components of soil from smallest to largest:</th>
<th>How does it feel?</th>
</tr>
</thead>
<tbody>
<tr>
<td>smallest:</td>
<td>clay</td>
</tr>
<tr>
<td>mid-size:</td>
<td>silt</td>
</tr>
<tr>
<td>largest:</td>
<td>sand</td>
</tr>
</tbody>
</table>

2. Does the soil at this site have more sand, silt or clay? CIRCLE ONE: Sand Silt Clay

3. What are three non-mineral components of soil?
   1. critters
   2. air
   3. water

Soils Erosion and Compaction

1. FILL IN THE BLANK: Vegetative cover stabilizes soil. Leaving buffers/riparian areas helps to minimize silt moving into the water.

2. Which soil absorbs water faster? CIRCLE ONE: compacted uncompacted
   Why? because it has more air spaces through which water can travel

3. Name two causes of compaction.
   1. possible answers: Hiking, heavy equipment, animal use

4. Discussion: When might compacted soil be helpful?