Lesson Four Formative Assessment, Scoring Rubric, and Key Discussion Questions

**Formative Assessment:**

Write in words and draw a picture to show how humans add sand or silt to the watershed and how it is affected by increased sediment.

**Scoring Rubric:**

<table>
<thead>
<tr>
<th>Novice</th>
<th>Apprentice</th>
<th>Proficient</th>
<th>Distinguished</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unable to understand student drawing.</td>
<td>Students includes a picture without an explanation.</td>
<td>Student includes a picture and explanation of one of the two required components.</td>
<td>Student includes a picture and explanation of how humans add sand or silt to the watershed and how it is affected by increased sediment.</td>
</tr>
</tbody>
</table>

**Key Discussion Questions:**

What is sand and silt?

How does extra sand and silt get into a streambed?

What happens when rainwater hits the land?

How do human activities increase erosion?

How does extra sand a silt affect streambeds and the animals that live in them?