Microbiota Lab Notes

A scientist looks carefully at the results of their experiment. These observations are written down in a lab notebook. Sometimes a scientist will draw a sketch of what she or he sees, to keep a visual record of it.

Remember that each colony starts from a single microbe that has divided **MANY** times.

**Colony Shape Examples:**

![Colony Shapes](image)

**Additional words to describe the observations of your microbe colonies:**

- shiny
- bumpy
- wrinkly
- smooth
- slimy
- round
- fluffy
- white
- clear
- cloudy
- goopy
- big
- small
- fuzzy
- colored
- red
- pink
- purple
- brown
- Yellow
Record observations of your microbe colonies from each habitat. Use some of the words from the first page in your descriptions.

<table>
<thead>
<tr>
<th>Habitat where Sample was Taken</th>
<th>Number of Colonies in Each sample</th>
<th>Shapes of Colonies in Each Sample</th>
<th>Colors of Colonies in Each Sample</th>
<th>Texture of Colonies in Each Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 2 3 4 5</td>
<td><img src="image1" alt="Shapes" /></td>
<td><img src="image2" alt="Colors" /></td>
<td><img src="image3" alt="Texture" /></td>
</tr>
<tr>
<td></td>
<td>6 7 8 9 10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Choose Two (2) samples to compare and contrast. Draw some of your colonies in the circle for each sample.

Sample #1

Which **habitat** did you swab to obtain this microbiota?

Sample #2

Which **habitat** did you swab to obtain this microbiota?
Are the communities of microbes the same from both habitats?

________________________________________________________________________

________________________________________________________________________

What are two (2) differences that you notice between the microbiota communities?

1)_____________________________________________________________________
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   ______________________________________________________________________
   ______________________________________________________________________
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2)_____________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________
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What are two (2) similarities that you notice between the microbiota communities?

1)_____________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________

2)_____________________________________________________________________
   ______________________________________________________________________
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