

1.2.2. Lotus Effect Test Results

Group: _____

Date: _____

Your group will conduct a Lotus Effect Test with three samples that have been prepared with the Neverwet Solution. Once your samples have dried overnight, test them using the liquids listed below. Record and reflect on the results with your group.

Test 1 Material: _____ **Observations**

When water is applied on treated material.	When colored/dirty water is applied on treated material.	When Chocolate Syrup is applied on treated material.	Summarize the overall results for the Test:
When the water is applied to non treated material.	When colored/dirty water is applied on non treated material.	When Chocolate Syrup is applied on non treated material.	

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Test 2 Material: _____ **Observations**

When water is applied on treated material.	When colored/dirty water is applied on treated material.	When Chocolate Syrup is applied on treated material.	Summarize the overall results for the Test:
When the water is applied to non treated material.	When colored/dirty water is applied on non treated material.	When Chocolate Syrup is applied on non treated material.	

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Test 3 Material: _____

Observations

When water is applied on treated material.	When colored/dirty water is applied on treated material.	When Chocolate Syrup is applied on treated material.	Summarize the overall results for the Test:
When the water is applied to non treated material.	When colored/dirty water is applied on non treated material.	When Chocolate Syrup is applied on non treated material.	

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- 1. Among the three tests you conducted, which material seemed the most hydrophobic? Which one seemed the least hydrophobic? Describe any noticeable difference.**
- 2. Based on your results, what sample material would be good for making footwear? Which materials might you include when redesigning footwear to keep it looking clean? Why?**