1.2.2. Lotus Effect Test Results

Group:		Date:		
• •	us Effect Test with three samples that h t, test them using the liquids listed below	• •	•	
Test 1 Material:	Obs	ervations		
When water is applied on	When colored/dirty water is applied	When Chocolate Syrup is applied	Summarize the overall result	

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 colored/dirty water is applied on non-treated material.	When Chocolate Syrup is applied on non-treated material.	
	on treated material. When colored/dirty water is applied	on treated material. On treated material. When colored/dirty water is applied When Chocolate Syrup is applied

Test 2 Material:		Observations
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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.	-

Test 3 Material:	Observations
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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	When colored/dirty water is applied	When Chocolate Syrup is applied	
non-treated material.	on non-treated material.	on non-treated material.	

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?