xperiment 7: Synt	hesis of Soa	p (Saponification)	Datasheet		
ame:	Lab Section:				
	Percent Yiel	d of Soap: (Show calculation	ns)		
mulsifying Properts		n amulaifyina muonautiaa af	vious coop command to determent. Include		
oservations	with data o	n emuisifying properties or	your soap compared to detergent. Include		
Agent	Oil Used	Did emulsion form?	How long was the emulsion sustained? (sec, minutes)		
De-ionized Water					
Soap					
Detergent					

Observations:

Formation of Soap Scum

Fill in the table below with data on emulsifying properties of your soap compared to detergent. Include observations

Agent	Ion Used	Foaming?	Soap scum?	Scum dissolved with phosphate?
De-ionized Water	1% CaCl ₂			
Soap	1% CaCl ₂			
Detergent	1% CaCl ₂			
De-ionized Water	1% MgCl ₂			
Soap	1% MgCl ₂			
Detergent	1% MgCl ₂			
De-ionized Water	1% FeCl ₃			
Soap	1% FeCl ₃			
Detergent	1% FeCl ₃			

Draw the reaction mechanism of saponification:						