













## Get Your Charge Away from Me!

TeachEngineering

Simulation

Demonstrate the fundamental properties of polar and non-polar molecules (such as water and oil), how they interact, and the affect surfactants have on their interactions.

Suggested Learning					
Time	30 : 00	Cost	0.00		
PreRequisites					
Requirements					
Skills					
		Focus	Level	Standard	Points
	Physics				178
	Troubleshooting				48
	Mathematics				48
	Teamwork				48
<b>Total Skill Points</b>					<b>322</b>
Knowledge Gain					
Show that oil and water differ in polarity and because of this difference they do not mix favorably, allowing water to form a phase-separated sphere in oil.					
Resource Link					
<a href="https://www.teachengineering.org/activities/view/usf_surfactants_act2">https://www.teachengineering.org/activities/view/usf_surfactants_act2</a>					

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