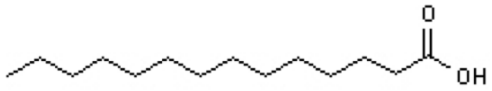
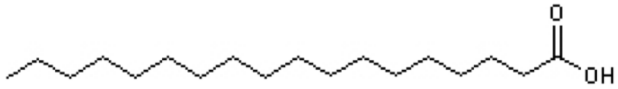
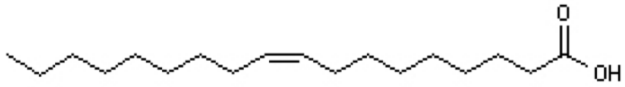
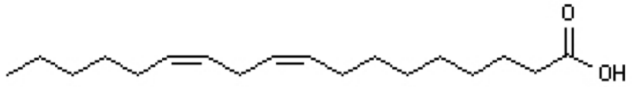
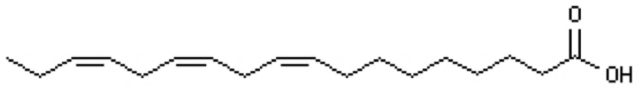
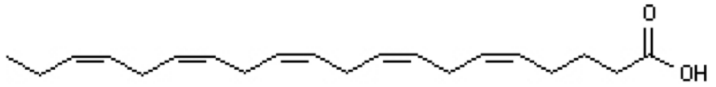
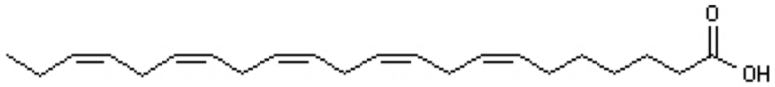
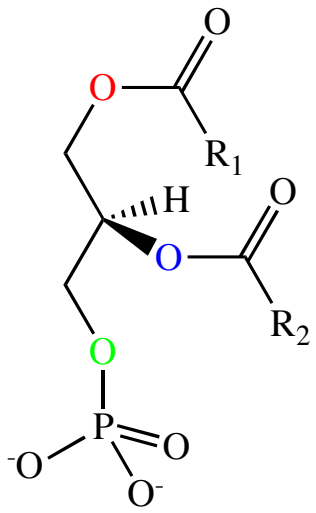
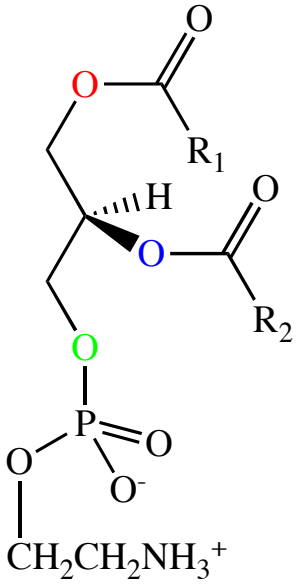
Fatty Acids

Shorthand nomenclature	Chemical structure
Saturated fatty acids	
14:0	
16:0	
18:0	
Monounsaturated fatty acids	
16:1n-7	
18:1n-9	
Polyunsaturated fatty acids	
18:2n-6	
18:3n-3	
20:5n-3	
22:5n-3	
22:6n-3	

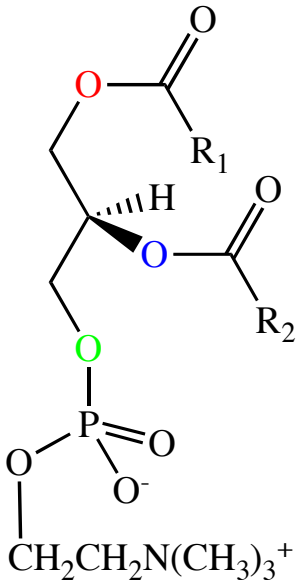
Phospholipids



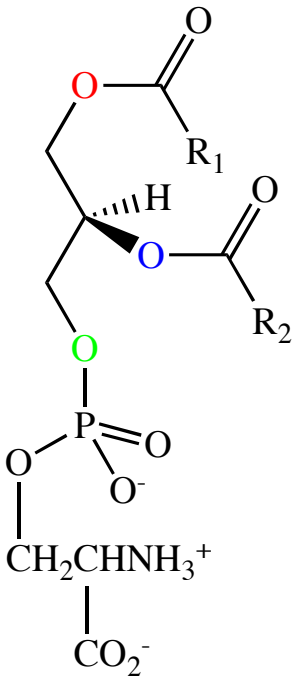
Phosphatidic acid
PA



Phosphotidyl
ethanolamine
PE

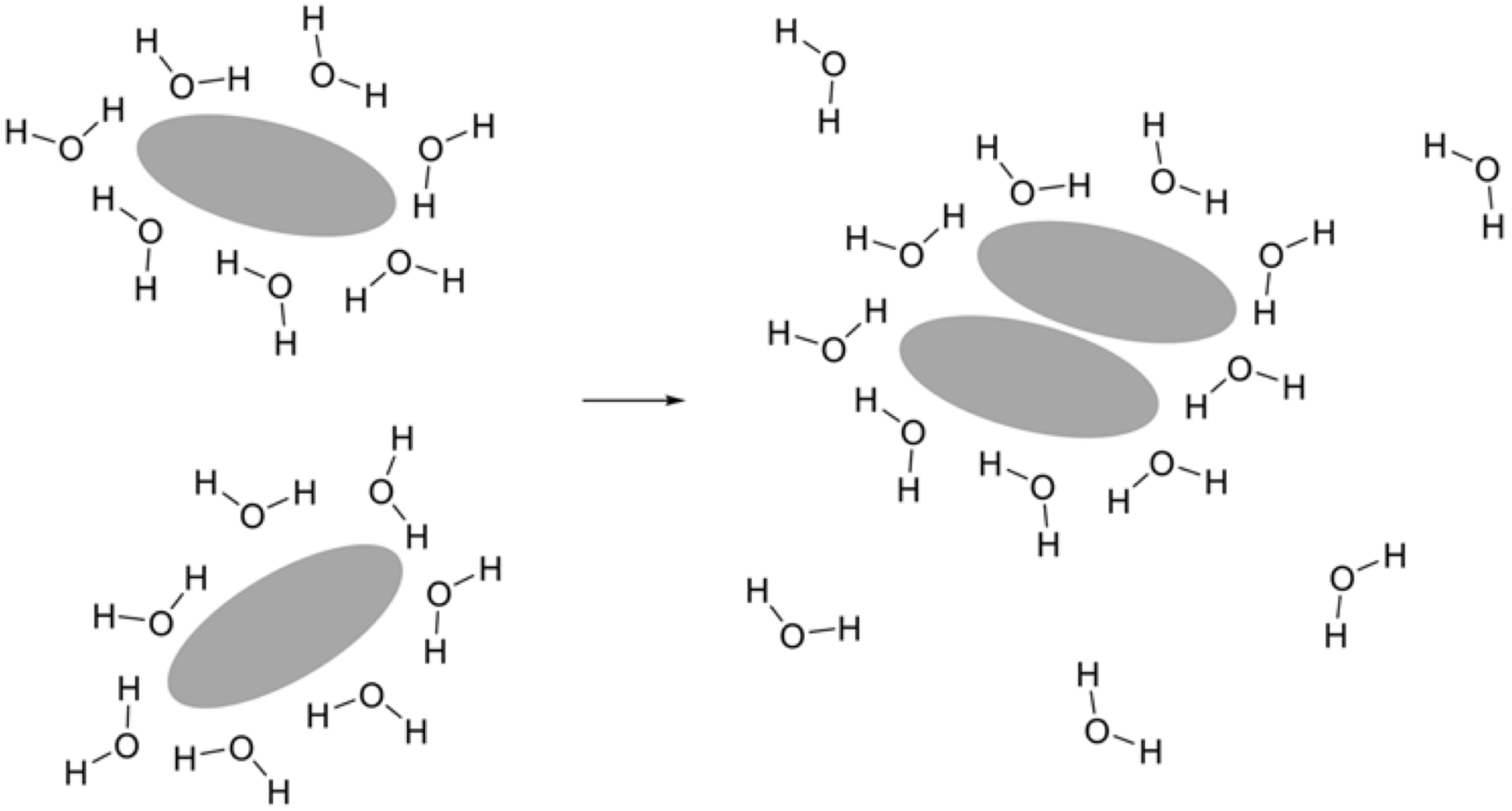


Phosphotidyl
choline
PC



Phosphotidyl
serine
PS

Illustration of the Hydrophobic Effect



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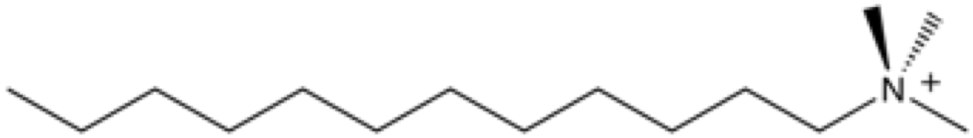
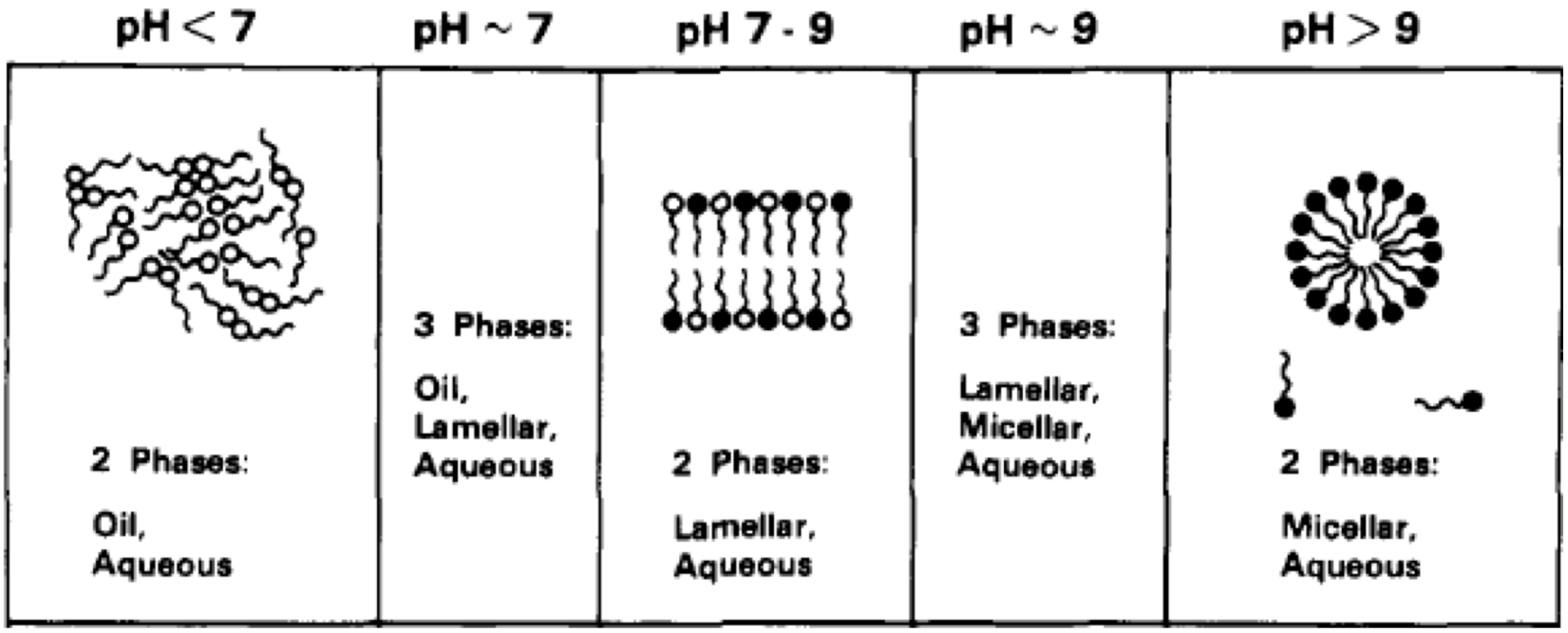
Effect of salt on CMC of DTAB



Dodecyltrimethylammonium bromide

[NaBr]	cmc (μM)	$\Delta G^{\circ}_{micelle}$ ($^{kcal}/_{mol}$)	ΔH° ($^{kcal}/_{mol}$)	ΔS° ($^{cal}/_{molK}$)
0	302	-4.8	-0.3	15
0.0175	182	-5.1	-0.4	16
0.05	130	-5.3	-0.4	16
0.10	66	-5.7	-0.5	17

pH Dependence of Fatty Acid Aggregation



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