Cholesterol	Lecithin	Glycerol	Corn Oil	Butter	Egg Yolk	Sucrose
						Cholesterol Lecithin Glycerol Corn Oil Butter Egg Yolk Image: Strategy of the stra

Data and Calculations for Experiment 16

Questions

1. From your results, what is present in corn oil? Is it a pure triglyceride?

2. Based on the intensity of the color in your test for cholesterol, which food showed the most cholesterol present? Which food showed the least cholesterol present?

3. Consider the steroid structures shown below. Would any of these structures give a positive Lieberman-Burchard test? Briefly explain.



4. Cholesterol is an alcohol that can dehydrate to form a carbon-carbon double bond. Draw the structure cholesterol forms upon dehydration. Would this dehydration compound give a positive Lieberman-Burchard test? Briefly explain.