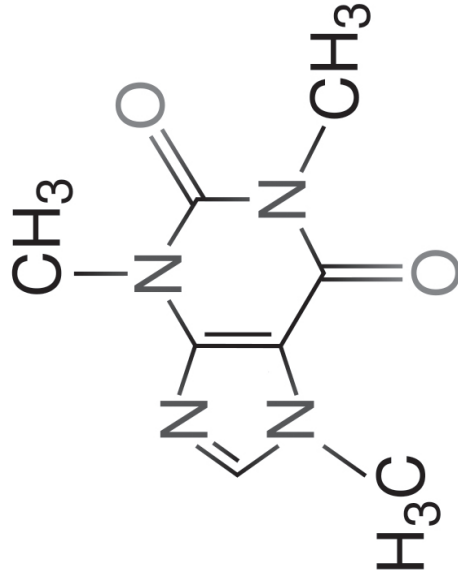


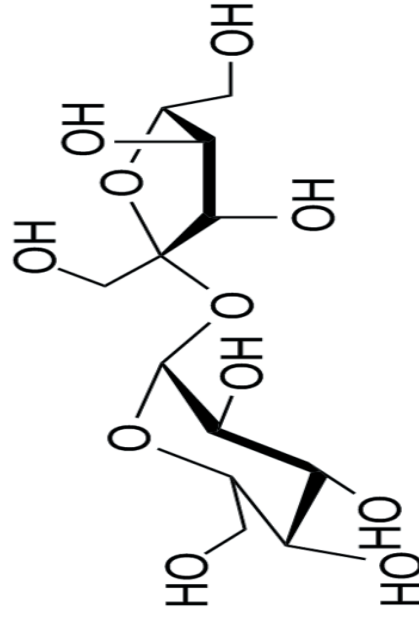
Chemistry Through Food

Charlie Abrams

Professor Abrams has taught at Truman College since 2002, and was at Beloit College for five years prior to that. As a graduate student, he used his creative energies to create new molecules in the laboratory, and now pours that energy into teaching and cooking. His students eagerly anticipate his food chemistry demonstrations. The most entertaining and informative of these are presented in this series for the general public.



Caffeine



Sugar

Joy Walker

Professor Walker has taught at Truman College since 1982 in the areas of Physical Science, Chemistry and Web Development. She loves the lore and beauty of chemistry, delighting in the study of herbs, applying chemistry to baking and cooking and learning about the ways that an understanding of chemical principles can lead to interesting and creative culinary creations.



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<http://chemistrythroughfood.com>
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a series of entertaining lectures...

Chemistry Through Food

These seven entertaining lectures and demonstrations about chemistry and food are presented by Charles Abrams and Joy Walker. Each session includes fascinating stories about food and its preparation with emphasis on the chemistry that underlies the way we experience food. Optional tasting opportunities are provided. You will learn practical chemical concepts that will change the way you think about food and its preparation. There are seven sessions. The cost of the class is \$149. No prerequisites. Class meets from 6:30 PM to 7:30 PM.

Emulsions and Foams

June 16th

In this presentation we will explore the properties of emulsions and foams and answer questions such as: Do eggs whites beat to a stiffer consistency in a copper bowl? Can chocolate mousse be made without cream? How does soap remove grease?

Deceptions

June 23rd

How can our taste buds be deceived? We will learn about Mock Apple Pie, the Miracle Berry and the fifth taste: umami and the MSG controversy.

Delightful and Dangerous Spices

June 30th

Does "natural" mean "safe"? In this lecture we explore some toxic chemicals naturally present in spices, illustrating how they are detected and examining the relative risks of ingesting them.

Through the Looking Glass: Mirror Molecules and Their Oddly Different Properties

July 7th

Just as your right hand differs from your left, some molecules differ from each other only as mirror images. The implications of this subtle difference can be as benign as different tastes, or as critical as life or death. In this lecture, you will taste and smell this difference and learn how it is exploited by drug manufacturers for profit.

Brown Apples and Muddy Guacamole

July 14th Explore the processes of oxidation with us and we test different ways to keep apples white and guacamole green.

Enzymes: Gels and Liquids

July 21st Can jello contain fresh pineapple? How do they liquefy the centers of cherry cordials (chocolates)? Hear the mysteries of enzymatic action revealed.

The "Pop" in Soda and the "Rise" in Cakes, Cookies and Biscuits

July 28th

Learn the difference between baking soda and baking powder. Learn how acids and bases react in food.

When and Where

All lectures take place on Wednesday evenings from 6:30 pm to 7:30 pm at Truman College, 1145 W. Wilson Ave. Chicago, Illinois 60640. Call (773) 907-4440 for more information or to register.

