

Chemtoberfest!

October 21st 2011
10:30am – 4:00pm

SUNY Potsdam Chemistry Department

Presents..

| | | | | | | | | |
|--------------|--------------|--------------------|-----------------|-----------------|--------------------|------------------|-------------------|-------------------|
| 6 C 12 | 2 He 4 | 109 Mt (268) | 8 O 15.99 | 5 B 10.81 | 68 Er 167.26 | 26 F 55.85 | 99 Es (252) | 22 T! 47.87 |
|--------------|--------------|--------------------|-----------------|-----------------|--------------------|------------------|-------------------|-------------------|

October 21st, 2011 10am – 4pm

Minerva Plaza, SUNY Potsdam



Liquid Nitrogen Ice Cream!
Live Demonstrations!
Cotton Candy!

Candied Apples! Popcorn! Apple Cider!

Join the Chemistry Department, NNY ACS Section,
Gamma Sigma Epsilon, CSTEP, PACES, Pre-Health Club and SGA
as we celebrate this momentous occasion!!

Free Food * Live Music * Fall Fun



ACS
Chemistry for Life™



International Year of
CHEMISTRY
2011

www.acs.org/iyc2011

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SUNY Potsdam's First Annual Chemtoberfest! was held during National Chemistry Week in celebration of the International Year of Chemistry (IYC 2011).

The goals of International Year of Chemistry 2011:

- to increase the public appreciation of chemistry in meeting world needs
- to encourage interest in chemistry among young people
- to generate enthusiasm for the creative future of chemistry.

The year 2011 coincides with the 100th anniversary of the Nobel Prize awarded to Madame Marie Curie-Skłodowska. Madam Curie-Skłodowska was the first woman to win the Nobel Prize, and is the only woman to win in two fields – physics and chemistry. She is the only person to win in multiple sciences

The year will also be the 100th anniversary of the founding of the International Association of Chemical Societies, providing a chance to highlight the benefits of international scientific collaboration.



International Year of
CHEMISTRY
2011



Marie Skłodowska Curie
(7 November 1867 – 4 July 1934)

Planning Committee



Pictured from left to right: (TOP ROW) Janet Peachey, Deneen Cole, Katie Tylock, Tyson Terpstra, Mike Janucik, Megan Malone, Joe Freidel, Zach Reed, (MID Row) Nick Richter, Alexis Plattner, Mark Sophia, Gema Bicknell, Maddie Twiss, Andrea Betz, Clifford Rossiter, Anthony Molinero, David Gingrich, (Bottom Row) Mitchell Mayville, Brenna Cooper, Andrea Wendell, Heather Crapo, Brittany Steimle, Mariah Clarke, John Proetta, Michelle Robinson, Maria Hepel, Brittany Hoover, Brittney Mathieu, Bethany Lenox, Fadi bou-Abdallah, Justin McNally



Maria Hepel (Department Chair) and John Proetta (Event Chair)

Preparation













Preparing the Oobleck Pool!















Food Preparations!





Brittnay Mathieu decorating the Fluorescence Room!

Student Presentations!

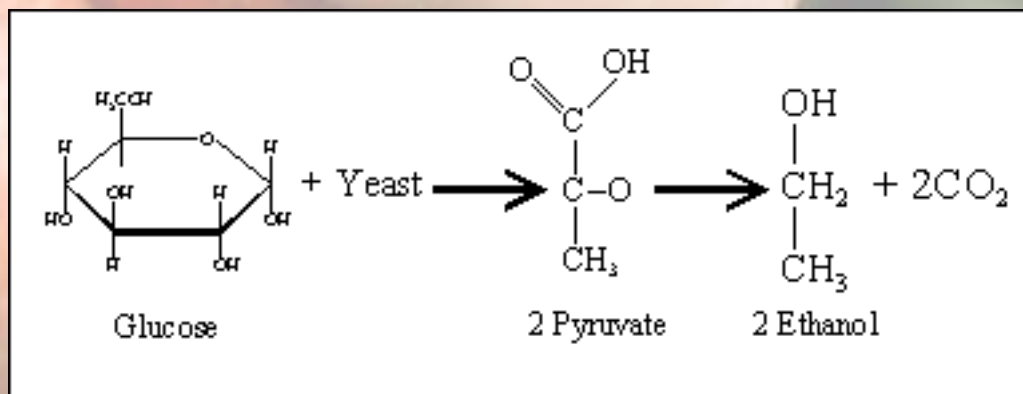


HARD CIDER



THE CHEMISTRY OF ALCOHOL

- Fermentation is the process where sugars are converted into alcohol, usually with the help of yeast
- It has been around longer than human history!
- It also produces other familiar foods such as cheese, yogurt, wine, beer and even soy sauce
- Hard cider is made by fermenting apples



Chemistry Illusions

Candy Glass



Boiling the sugar causes the water to evaporate, changing the chemical make up of the sugar, making it stiff and brittle

Caramelization

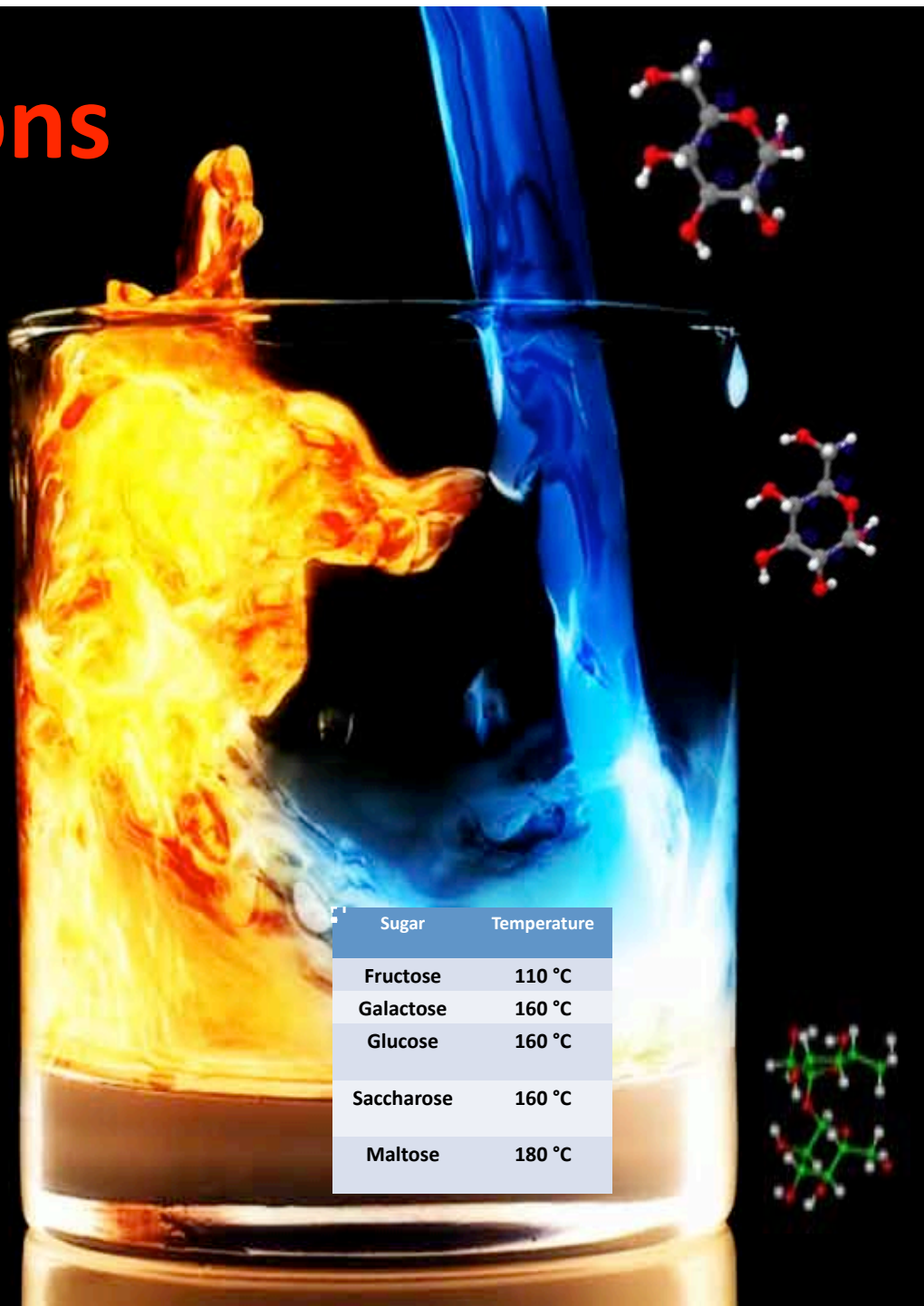


12 steps to the formation of caramel.
The temperature of caramel increases due to the loss of water in the process.

Disappearing Plastic!



The polystyrene essentially dissolves into the solvent, acetone.



| Sugar | Temperature |
|------------|-------------|
| Fructose | 110 °C |
| Galactose | 160 °C |
| Glucose | 160 °C |
| Saccharose | 160 °C |
| Maltose | 180 °C |

Chemtoberfest!

October 21st 2011

10:00am – 4:00pm

YAY!
Chemistry!!!!



The doors are open!













A Chemistry History Lesson with Dr. Molinero



Interesting!



Candied Apples!







YUM





S'MORES!









COMBUSTION!





Liquid Nitrogen Ice Cream!









Cotton Candy!











Make your own Flubber!!





The
Fluorescence
room!

Quinine fluorescing
under blacklight !



The Fluorescence room!





**Elephant Toothpaste Demo
with Heather!!**

Face painting!!!





Making Nylon with Dr. Walker!



Dry Ice with Gamma Sig!





Dry Ice with Kierstin!!!



Dry Ice with Kierstin and Friends!!!

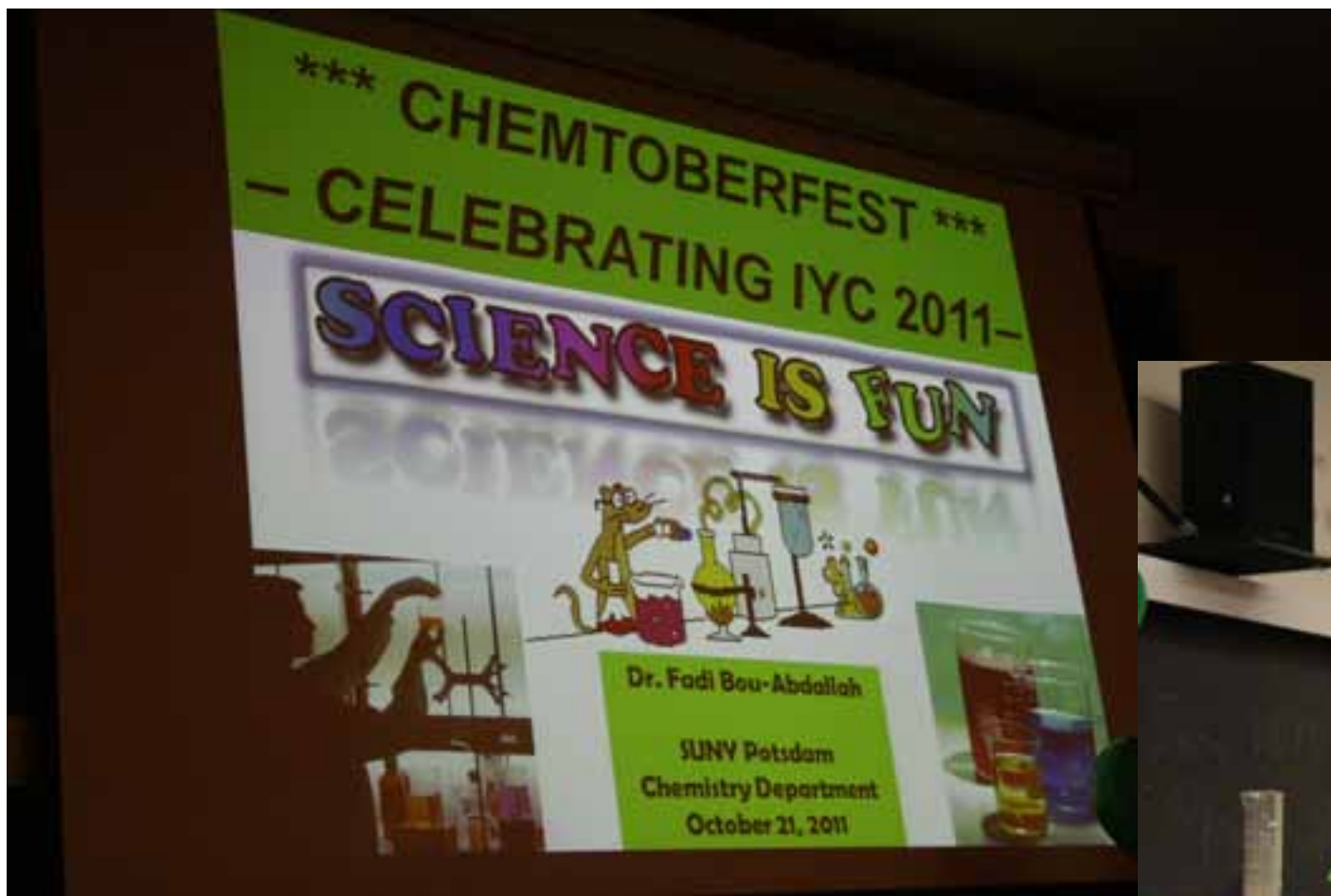


Fermentation
Demonstration
Making Hard
Apple Cider!



Chemistry Magic Show

October 21st 2011
2:30 – 3:30pm









Magic Ink !









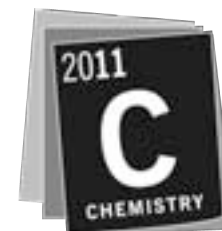




**THANKS
FOR
VISITING!**

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THANK YOU TO ALL WHO MADE THIS
EVENT HAPPEN!



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