

**Drexel University's  
Open Notebook Science Challenge 2008  
Sponsored by submeta**

**The College of Arts and Sciences and  
The Department of Chemistry Program**

NO PURCHASE IS NECESSARY TO PARTICIPATE OR WIN.  
VOID WHERE PROHIBITED BY LAW.

**THE RULES OF THE CHALLENGE**

**WHAT IS THE CHALLENGE?**

The first round of this challenge calls upon groups or individuals with access to materials and equipment to measure the solubility of compounds (aldehydes, amines and carboxylic acids are a priority) in organic solvents and report their findings using Open Notebook Science. More details and links to examples can be found at <http://ONSchallenge.wikispaces.com>.

**WHAT CAN I WIN?**

There are ten awards of \$500 (US Dollars) each. Although students may collaborate, awards will be made to an individual student based on their entry – not to each collaborator in the group. Students may only win one prize. Also if we end up using enough of your data we may invite you to participate as co-authors on a peer-reviewed publication.

**WHO IS SPONSORING THE CHALLENGE?** Drexel University Department of Chemistry, with Associate Professor of Chemistry Jean-Claude Bradley serving as the Contest Organizer of the Challenge.

**DOES IT COST ANYTHING TO APPLY?** Not a cent. You do need access to equipment and chemicals. One of our sponsors has agreed to donate some chemicals, while supplies last. Contact the Contest Organizer to see what is available.

**WHO'S ELIGIBLE?** Any student, graduate or undergraduate, enrolled at a college, university or other post-secondary institution during the 2008-2009 school year who is a legal U.S. resident or legal United Kingdom resident and at least eighteen (18) years of age or the age of majority in his/her state of residence, whichever is older as of date of entry.

**WHEN WILL THE CONTEST START AND END?** . The Challenge starts on November 4, 2008 and will end December 1, 2009 or after the ten awards have been made, which ever comes first.

**WHEN WILL THE AWARDS BE ANNOUNCED?** Awards will be announced starting December 1, 2008 and on the first of every subsequent month. There is a possibility that no award will be made on a given month if there are no suitable candidates. Award winners will be posted on the website <http://ONSchallenge.wikispaces.com>.

**WHAT ARE THE EVALUATION CRITERIA?** Basically we are looking to reward students who show promise of becoming good scientists. This includes maintaining a laboratory notebook (including links to raw data) in a manner that makes it easy for others to understand exactly what you did and what you observed. The log portion of the notebook must be recorded in a timely fashion, usually within 24 hours of performing the experiment. Nobody maintains a notebook perfectly from the start and that is why the organizers will be providing feedback in *bold and italics* directly on your notebook pages. How quickly and thoroughly you address that feedback is an important criterion. Creativity in the design of the solubility measurement technique in terms of efficiency, speed and reproducibility will also play a strong role in the evaluation. Participation in the scientific community via Web2.0 networks would certainly be a plus. And, of course, the number of measurements will count.

**HOW DO I GET STARTED?**

After filling out and sending the entry form at the end of this document, simply request an account on this wiki (<http://ONSchallenge.wikispaces.com>) and create a page with information about yourself that you don't mind being public. You must use your real name for a username. You can then start recording experiments using a format similar the examples on the wiki. The organizers will provide feedback in the form of comments in *bold and italics* directly on the wiki. Hitting the Recent Changes link on the left navigation bar is a good way to keep track of edits.

**CAN I GET HELP?** Because you'll need access to equipment, you probably will need help from teachers or other supervisors. We strongly recommend that you get as much help as you can at your local institution and in the wider community. However, ultimately you will be evaluated by your individual actions, based on your entries in the wiki and in the Web2.0 community. You will need to name a contact at your institution who is a faculty or staff member in the entry form.

**WHO ARE THE JUDGES?**

The judges will be comprised of researchers from around the world competent in the field of chemistry. Their names will be posted on the main wiki page.

**IS EVERYTHING MADE PUBLIC?** Yes, that is the whole point of Open Notebook Science. The wiki has a Creative Commons Attribution Share-Alike license on every page. That means that anyone may use your work as long as they attribute you and share

their derivative works. That also means that you won't be able to claim Intellectual Property rights (i.e. patents) for the material you publish on the wiki.

## ENTRY FORM

Please type or print clearly, and send, fax or email this form:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Birthday: \_\_\_\_\_

Institution: \_\_\_\_\_

Teacher or Staff contact Name: \_\_\_\_\_

Teacher or Staff contact e-mail: \_\_\_\_\_

### CONDITIONS OF ENTRY:

Please read the following carefully and sign where indicated in connection with your participation in the Open Notebook Science Challenge.

As a required condition of entering the Challenge, I hereby agree that:

1) I am at least 18 years of age or the age of majority in my state of residence, a legal U.S. resident (whichever is older at time of entry), and enrolled as a student during the 2009-2009 school year at the following University, College or institution of post-secondary education \_\_\_\_\_ and that I have secured all necessary permissions and approvals from such University, College or institution of post-secondary education to enter the Challenge and that if any information is not true that I am automatically disqualified from the Challenge.

2) I am solely responsible for the work that I report on the Open Notebook Science Challenge wiki : <http://onschallenge.wikispaces.com> and any associated data files. I understand that all of the work that I report is made public at all times. I understand that the Judges may alter or remove parts of my contributions that are deemed inappropriate at any time.

3) I will indemnify, defend and hold harmless Drexel University, Challenge Judges, individually and collectively, including their heirs, personal representatives, officers, directors, employees, successors and assigns,

from and against all claims, demands, losses, damages, costs, judgments, liabilities and expenses (including attorneys' fees) arising out of or in connection with any and all claims of third parties based on any materials submitted by me to the Challenge and my participation in the Challenge.

4) I hereby grant to Drexel University the nonexclusive right to use my name, photograph and likeness in connection with any and all publicity and promotional activities regarding the Challenge.

5) I understand that Drexel University accepts no liability whatsoever for non-receipt or loss of my submissions, and I hereby agree to remain fully liable in connection therewith. I further understand that Drexel University is not obligated to return any materials that I have submitted.

6) DREXEL UNIVERSITY SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE OR OTHER DAMAGES SUFFERED BY ME OR ANY OTHER PERSON RESULTING FROM YOUR PARTICIPATION IN THE CHALLENGE.

7) I will be bound by the Conditions of Entry and the Rules of the Challenge and agree to abide by the decisions of the Challenge Sponsors and Challenge Judges with regard to all matters and agree that their decisions are final. Awards are payable by check strictly in United States Dollars and must be cashed within 6 months of receipt. Winners are solely responsible for all federal, state, local or other applicable taxes with respect to prizes awarded by Drexel.

8) These Conditions of Entry and the Rules of the Challenge shall be construed and governed in accordance with the laws of the Commonwealth of Pennsylvania, without giving effect to conflict of law provisions. I hereby submit to the exclusive jurisdiction of and venue in any state or federal courts located within the Eastern District of Pennsylvania with respect to any and all disputes concerning the subject of this Entry Form and Challenge.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

SEND IT TO:

Jean-Claude Bradley, Director of the Open Notebook Science Challenge  
Department of Chemistry  
Drexel University  
32<sup>nd</sup> and Chestnut Streets  
Philadelphia, PA 19104  
bradlejc@drexel.edu  
voice:215-895-2647  
Fax: 215-895-4999

