

## Washington University Chemistry Tournament

**Overview:** The Washington University in St. Louis Chemistry Tournament (WUCT) is a new competition for high school students, and it is completely organized by undergraduate students. WUCT is set to have its inaugural event on Saturday, April 2, 2016 at the Washington University undergraduate campus in St. Louis, MO, and it will be held annually each spring.

**Eligibility:** Each team will consist of six high school students accompanied by one adult coach. We will not be able to accommodate incomplete teams this year.

**Tournament Format:** Each student will take a series of written examinations in individual and team formats. The exam will be geared towards high school chemistry concepts and will be an expansion of concepts covered on the ACS National Chemistry Olympiad. Questions will challenge students to use their critical thinking and problem-solving abilities when working alone or together.

**Individual Rounds:** All participants will take 3 individual exams in the following topics: Chemical Structures and Properties (Exam #1), Chemical and Physical Equilibria (Exam #2), and Kinetics, Thermodynamics and Electrochemistry (Exam #3). Each exam will consist of 8 short response questions.

**Team Rounds:** Students will collaborate to solve 8 questions on a variety of chemistry topics that focus on modern-day issues in science. These questions will be more qualitative and require explanations that show students' logical thinking.

**Relay Round:** Each team will be broken up into 3 groups of two students. Each group will be handed one part of a question and each small group will need the answer from the previous pair to answer its part successfully. The third group will submit the answer, and the team will be graded for speed and accuracy. This will be a fast-paced round and will consist of 6 questions.

**Registration Information:** Registration will open on December 16, 2015 on the WUCT website, [wuct.axe.wustl.edu](http://wuct.axe.wustl.edu) . Registration will be based on a first-come basis. The registration fee is \$60 per team (\$10 per student).

We will provide breakfast, lunch, and snacks to all teams, but teams will be responsible for transportation and lodging costs. We will work with local hotels and transportation companies to provide discounted prices for participants.

For questions and more information, please e-mail the WUCT Co-Directors, Harshath Gupta and Abhishek Sethi, at [wuct.washu@gmail.com](mailto:wuct.washu@gmail.com).

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