



PhET Interactive Simulations

For High School Chemistry

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Workshop Goals:

PhET has developed 38 Chemistry simulations, free at phet.colorado.edu. PhET sims provide interactive environments for students to learn through scientist-like exploration, making the invisible visible and emphasizing connections between real life phenomena and the underlying science. Participants will discuss how to use PhET chemistry sims to enhance student learning and engagement, and will learn where to find hundreds of editable activities online to use with sims in all science disciplines.

1. Handouts for workshop

- Example of Uses in High School Chemistry (gold)
- Planning to Use PhET Sims (yellow)
- Writing Learning Goals (yellow)
- Creating PhET Activities using Guided Inquiry Strategies (green)
- Activity Design for PhET Simulations (blue)
- Example Lesson Plan: Sugar and Salts (white)
- Ideas for Activities from PhET Teaching Ideas (white)
- PhET Chemistry Miniposter

2. PhET Resources online

- Look for “Gold Stars” by following the “For Teachers” links or <http://phet.colorado.edu/en/for-teachers/browse-activities>
- Remember that you can adapt any lessons for your classroom from this free, open forum
- Stay in touch with PhET <http://phet.colorado.edu/en/about/news>
[Join us on](#)  | [Follow us on](#)  | [Read our blog](#) | [Subscribe to our newsletter](#)

3. The PhET Installer

- Installs the PhET Website locally on your computer so you can run simulations offline.
- NOTE: Installer is updated weekly on Wednesdays. You can download the latest installer from the website http://phet.colorado.edu/get_phet/index.php You can also download individual simulations.

4. Interested in research about PhET and effective use?

For more articles: <http://phet.colorado.edu/research/index.php>