

ODYSSEY High School Chemistry

Release 4.0

The world's premier molecular modeling tool for teachers and learners of introductory chemistry—radically revised and updated!

Compare Models Side by Side

Any two samples, shown on the same scale and using the same style. With or without dynamics. Ability to synchronize simulations.

Electronic Distributions

Calculated *on-the-fly* for any system with up to 30 atoms. Watch shape data and polarity maps change as you manipulate the system.

Search Engine

Tap into the program's large repository of pre-built models and diverse teaching content. Find relevant information with ease.

Student Worksheets

Questions can be answered right within the program for printing, saving, and e-mailing. Erase answers easily on student lab computers.

Geometric Changes

Move molecules relative to each other, change bond lengths, and rotate around bonds, all without going to build mode.

Snapshots

Easily add images and galleries of images to worksheet answers.

Isotopes

All models account for natural distribution of elemental isotopes.

Molecular Formulas

Displayed on request for any sample.

Naming of Compounds

Name non-cyclic organic compounds regardless of complexity. Includes full stereochemistry.

Linear Regression

Calculate fit lines and display correlation coefficients.

Physical Properties

Query numerous physical properties. Explicitly labeled as molar whenever applicable.

Charge Labels

Highlight both ionic (net) charges and atomic (partial) charges.

New Content & New Models

Many additions to the Molecular Labs, Applied Chemistry, and Molecular Stockroom sections.

...and more!

Teacher Edition:

Customization

Change the text of a molecular lab, delete unwanted questions, add new questions, insert images—your imagination is the limit.

Authoring

Create your own molecular lab entirely from scratch using a template.

Distributing Custom Labs

Save any molecular lab (models plus instructions plus questions) in a self-contained format. After upload to your institution's web server, students can access your lab via download and run it on any computer that has **ODYSSEY** installed.

Odyssey High School Chemistry 4.0 is compatible with:

Windows: Windows 7, Windows Vista, or Windows XP

Macintosh: OS X 10.7 (Lion), 10.6 (Snow Leopard), or 10.5 (Leopard; must be Intel-based)