

ODYSSEY Molecular Explorer

Release 5.1

Scientifically Sound Modeling for Learners and Teachers of Chemistry

Support for Windows 8 and Mac OS X 10.10 Yosemite

- Minimum requirement for Windows: *Vista*.
- Minimum requirement on the Macintosh: *OS X 10.8 Mountain Lion*.

Fully Touch Interface-Adapted for Windows

- In Windows, use any combination of three input modes—touchscreen, trackpad, or mouse.

Four Levels of Content Display

- Molecular Labs tailored to four different levels of depth and content coverage.
- Available settings: *Introduction to Chemistry*, *High School Chemistry*, *AP Chemistry*, and *College Chemistry*.
- Switch to another setting at any time via the Preferences dialog.

New, Updated, and Consolidated Molecular Labs

- Isotopes, atomic radii, electron sharing, spectroscopy, polarity, surface tension, optical isomers, lipids, and more.

More Applied Chemistry Content and Additional Stockroom Models

- New and updated topics, molecules, and compounds from all corners of chemistry.

Available iOS Apps Mirrored in the Windows/OS X Program

- Released **ODYSSEY** iPad apps fully equivalent to corresponding Molecular Labs in the full **ODYSSEY** program.
- Teach equally well with Windows/OS X computers or iPad tablets, or even in a mixed environment.

Improved Display of Orbitals and Other Electronic Distributions

- Ultra-high resolution displays of atomic orbitals.

Full Reset to Default Settings

- Easily reset the program to its original state (particularly for student usage in a lab setting).

Alignment with the Next Generation Science Standards* (applicable to High School Setting)

- Aligned with the disciplinary core ideas of the NGSS.
- Aligned with individual state standards for non-NGSS states.

Alignment with the AP Chemistry Curriculum (applicable to AP Setting)

- Aligned with the revised AP Chemistry curriculum as it became effective in 2013.

Licensing Options

- All licensing options now software-based—no more USB keys to keep track of.
- Flexibility to accommodate annual and permanent licenses, lab packages, one-on-one setups, and more.

Instructor's Edition Features (not included in Student Edition)

- *Answer Key*.
- *Misconceptions* for each molecular lab.
- *Customization* of questions (and option to create new labs).
- *Saving* and hyperlinking of molecular labs (in addition to saving of 2D images and 3D models).
- *Alignments* with teaching standards (applicable to High School Chemistry and AP Chemistry settings).

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