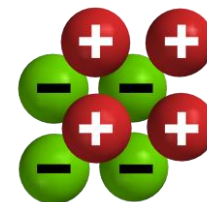


ODYSSEY Molecular Explorer

Release 6.2.0



Visualize...Manipulate...Investigate

Scientifically Sound Software for Students and Teachers

Features

- Color scale displayed whenever a polarity map is generated (or imported)
- Atomic charges updated from their classical (force field) values to their quantum chemistry values when an electron density surface (or polarity map) has been generated
- Generation of electron density surfaces suppressed when dummy atoms are present
- Classical atomic charges (force field values) only shown when non-zero (to counter misconceptions)
- Short/Medium/Long option for setting the trail size
- Improvements in the Chemical Validity and Name Structure procedures
- Tool tip reminder when 30-atom limit for electron density surfaces has been exceeded
- Additional information boxes for adjusting the text size
- Support for very high-resolution displays
- Improved build panel graphics
- Consistency with regard to hiding non-applicable menu options
- New numbering scheme that will retain unit numbers as the program expands
- Text changes and model replacements for some units in the main content sections
- New content in the Consumer Chemistry section
- Stockroom models of common small molecules now include bisected polarity maps
- Compound lists (Polymers, Solvents, Top 10 Chemicals, etc.) moved to the Stockroom
- Polystyrene added to the Solids build panel
- Instructor's Edition: "Conclusion" of Demonstrations now only shown upon explicit request
- Student Edition: "Conclusion" of Demonstrations omitted
- Instructor's Edition: Text Edit mode allows for a Cancel exit
- New translated units in the Teilchen und Materie section
- Support for latest macOS operating system

Main Sections

- **New Users** More than 50 tutorials for the program operation and for building new models
- **Demonstrations** More than 50 units focused on a specific question
- **Labs** More than 100 guided labs accompanied by more than 1,100 assessment questions
- **Miscellaneous** More than 150 units for a variety of chemical concepts and applications
- **Stockroom** More than 800 Compounds; more than 1,400 models

Special Sections

- 分子化学 (in Japanese)
- *Materia en movimiento* (in Spanish)
- *Teilchen und Materie* (in German)
- Integration with **Chemistry: Human Activity, Chemical Reactivity** (CHACR), Second Edition by Mahaffy, Tasker, Bucat, Kotz, Weaver, Treichel, and McMurry (Nelson Education, 2015)
- Support for CHACR *International Edition* as well as *CHACR Canadian Edition*

Instructor's Edition Only

- Answer key
- Lists of misconceptions for *Labs* and *Miscellaneous* topics
- Hyperlinks to online *ODYSSEY* teaching tutorials
- Customization of questions
(and creation of new labs if *Enable Authoring of New Labs* option is set)
- Saving of complete molecular labs (can be hyperlinked)
- Alignments (for secondary school usage; accessible from the *Help* menu):
Next Generation Science Standards*, AP Chemistry Curriculum**, and 32 regional standards

Platforms

- Windows 7, 8, 10
- OS X 10.10 Yosemite, 10.11 El Capitan,
macOS 10.12 Sierra, 10.13 High Sierra, 10.14 Mojave, 10.15 Catalina

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