

01: Introduction To OAT Organic Chemistry

Key OAT Terms

OAT: Optometry Admission Test is a standardized exam required to gain admission to optometry school.

Composite Score: A test-taker's overall OAT score.

Passage-Based Question: Are part of the Reading Comprehension portion of the test. The questions relate to information in an accompanying passage as well as your own knowledge.

OAT Composition: Survey of Natural Science, Reading Comprehension, Physics and Quantitative Reasoning.

Deep Concept Mastery: a method that engages multiple styles of learning, also referred to as multimodal learning. Facilitates detailed mastery, quickly and with high retention.

Cheat Sheet: A brief outline summarizing key terms and concepts, such as this one.

Flash Cards: Index cards with questions written on one side and a brief answer written on the reverse.

Guessing Penalty: No penalty for guessing wrong.

AOA: American Optometric Association, information on careers in optometry.

ASCO: Association of Schools and Colleges of Optometry, information on OAT registration and application to schools of optometry.

OAT

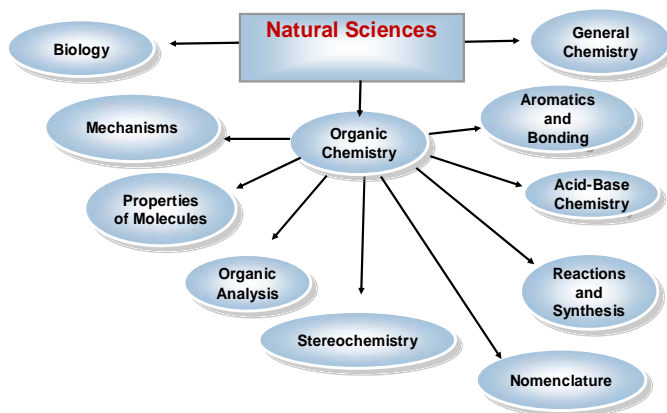
Registration: You may take the OAT almost any day of the year and it administered by Prometric at their test locations. You may register: on line, through your college advisor or paper application.

Test Sections: Survey of the Natural Sciences, Reading Comprehension, Physics, Quantitative Reasoning.

After you register for the OAT you will be given instructions to call a Prometric Testing Center to schedule a test date.

Scoring: Sections are independently scored ranging from 200 – 400. Within the Natural Sciences segment each topic will receive an independent score as well. Scaled scores and percentile ranking are provided to the optometry schools.

OAT Natural Science: Organic Chemistry



- Subject matter focus areas are shown in this image.
- To master your weak areas use the Rapid Learning multimodal learning tutorials. Remember to listen to the mp3 recordings as a supplement.

OAT Test Layout & Overview

Pretesting up to 25 min.

Total Time 275 – 300 min.



Tutorial 15 min



Survey of Natural Sciences, 90 min., 100 Items



Reading Comprehension, 50 min., 40 Items

Optional Break 15 min.



Physics Test, 50 min. 40 Items



Quantitative Reasoning, 45 min., 40 Items

Post Test Survey 10 min.

Test-Preparation Strategies

- Manage your time: set a study and test practice schedule and then stick with it.
- Study only the Organic Chemistry topics tested.
- Spend core study hours on weak areas only.
- Translate concepts into formats easy for you to remember, e.g. draw structures from names.
- Generalize concepts, e.g. learn reactive groups and their major reaction mechanisms.
- Get answers to anything not absolutely clear.
- Practice: problems and tests from many different sources.
- Review what you have learned often and on a set review schedule. Use cheat sheets and flash cards to facilitate reviewing.

Test-Taking Strategies

- Know The Test its layout and have established a timing strategy before you take the actual exam.
- Arrive early with required materials.
- Plan Your Attack
- Build test taking focus so you are not distracted in the new environment. If distracted, pull back to regain focus.
- **Practice Smart Test Taking:**
 - Zoom In On The Answer,
 - Think of the answer first, and then scan the choices.
 - Beware the familiar and the absolute.
 - Deal with similar or opposite answer choices.
 - Use Educated Guessing.
 - Never leave a question blank. Guess instead.
 - Eliminate incorrect answers to improve guessing odds.

Multimodal Learning

Use as many of your learning senses as you can for rapid mastery, deep learning and maximal retention of material.

The most effective way to master chemistry is to engage all the areas of your learning mind.

Written practice enhances learning.

Using the Rapid Learning narrated tutorials images (visual) and words (audio) are used facilitate the quick understanding and mastery of a topic.

How to Use This Cheat Sheet: These are the keys related this topic. Try to read through it carefully twice then recite it out on a blank sheet of paper. Review it again before the exams.