

## 01: Introduction To OAT General Chemistry

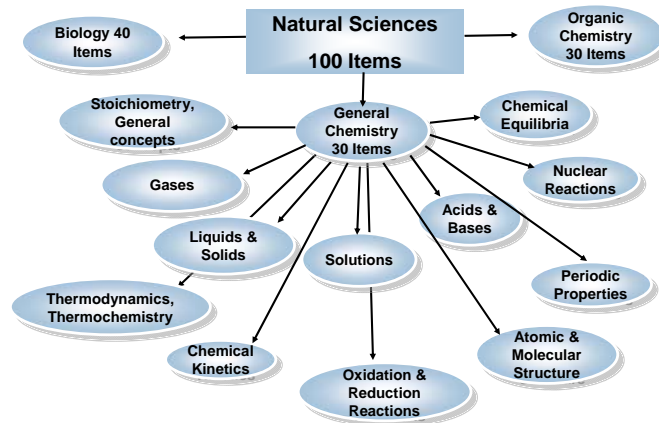
### Key OAT Terms

- **OAT:** The Optometry Admissions Test is a standardized exam required to gain admission to a school of optometry.
- **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.
- **Multiple Choice Questions:** A question that has a topic independent of a passage or other questions.
- **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.

### OAT

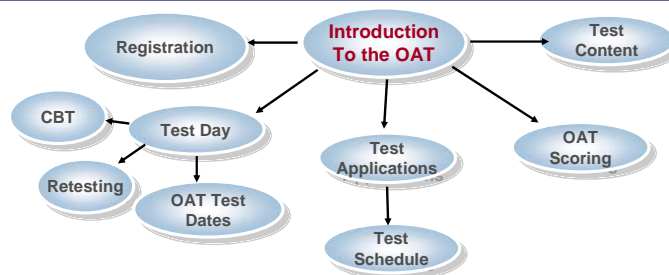
- **Registration:** You may take the OAT almost any day of the year.
- **Registration options:** on line, via your college advisor or paper application.
- **Test Sections:** Survey of the Natural Sciences, Reading Comprehension, Physics Test, Quantitative Reasoning.
- After you register for the OAT you will be given instructions to call a Prometric Testing Center to schedule a test date.
- **Scoring:** Each segment is scored independently.
- Each Natural Science subsection, Biology, General Chemistry, Organic Chemistry gets its own score.
- Your scaled scores and percentile ranking are reported to the optometry schools.
- No penalty for wrong guessing.
- You will be given your score immediately after the test.

### OAT Natural Science: General Chemistry



- Natural Sciences section is broken down into Biology 40%, General Chemistry 30% and Organic Chemistry 30%.
- General Chemistry tested categories 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.
- Take practice tests to identify your weaker General Chemistry areas and then focus on those.
- Get clarification for all your questions on any topic that you feel lacks deep understanding.

### OAT Tutorial Overview



Survey of Natural Sciences	90 min	100 Questions
Reading comprehension	60 min	50 Questions
Physics	50 min	40 Questions
Quantitative Reasoning	45 min	50 Questions

- Before the exam you will have a tutorial on the Computer Based Testing (CBT) format used.
- CBT tutorial is available at the Association of Schools and Colleges of Optometry's web site.

### Test-Preparation Strategies

- Time Management
- Study only the General Chemistry topics tested.
- Spend core study hours on weak areas.
- Set a study schedule and stick to it.
- Translate formulas into words to give them meaning.
- Generalize concepts to save memorization and time.
- Resolve any questions you have.
- Do as many practice problems as possible from a variety of sources.
- Solve problems in these tutorials.
- Solve relevant problems in General Chemistry textbooks.
- Solve problems found on the Internet
- Solve problems on self-made mock exams
- Review: Make custom cheat sheets and flash cards.

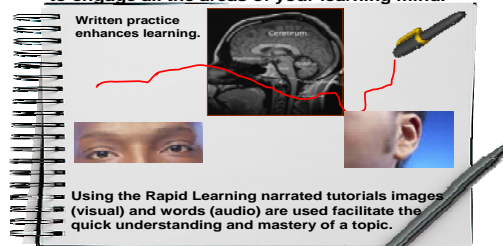
### Test-Taking Strategies

- Know the OAT: time format, subjects tested and style of questions. Plan Your Attack.
- Set approximately a 1-minute time limit per question.
- Build Focus
- Stay focused and 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.

### 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.**



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.