



Study Guide for Chemistry Midterm Exam

Midterm Exam Facts

- ☐ The midterm exam is scheduled for _____. You will have 90 minutes.
- ☐ The midterm exam is cumulative. This means it covers everything we have studied in chemistry this semester.
- ☐ The exam consists of multiple choice questions, fill in the chart questions, and several short answer questions.

How Does the Midterm Exam Affect My Grade?

- ☐ The midterm exam counts 15% of your overall Quarter grade for chemistry.
- ☐ Students historically score within 10% of their test average on the midterm exam. So, if Polly Perfect's test average is an 85%, she can expect to score 75-95% on the midterm – *if she studies!*

What Should I Review/Study?

- ☐ Unit Tests and Quizzes
- ☐ Previous study guides
- ☐ Online review resources (both on the midterm page and the unit pages)
- ☐ This Study Guide & Answer Key



Which Reference Sheets Can I Use on the Midterm?

- ☐ 4" x 6" notecard (hand-written front & back)
- ☐ Periodic Table (Miss Scott's class set)
- ☐ Unit Conversion Factors Reference Sheet (i.e. 1 inch = 2.54 cm)
- ☐ Average Atomic Mass Reference Sheet
- ☐ Periodic Table Flipbook



What if I Need Extra Help?

- ☐ It is much better to study a little every day than to leave things until the last minute. Seek help early.
- ☐ Find a study buddy/friend/significant other ☺ who is in chemistry and study together.
- ☐ Consult Miss Scott's weekly schedule. She is happy to help you if you come prepared with specific questions. Arriving unprepared and asking "What should I know for the midterm exam?" is both unhelpful and unwise.

Last Piece of Advice

Chemistry is a challenging college preparatory class. Recognize that your college/university instructors will not provide you with a study guide that covers "everything" that will be on their exams. In fact, most professors won't provide you with a study guide at all. You can thank Miss Scott for putting together this study guide for you. Please view this as a "guide," and understand it will not tell you everything that is on the midterm exam. However, if you are able to answer all of the questions successfully in this guide, and you truly understand all of the bulleted concepts listed for you to study, your chances of success are very good.

Units 1 – 3 – Measurements, Scientific Method, Math, & Matter

1. Identify each of the following as an example of a physical (P) change or a chemical (C) change:
 - a. the baking of bread **C**
 - b. the melting of iron **P**
 - c. the dissolving of sugar in water **P**
 - d. tarnishing of silver **C**
2. Matter – Different types and Classification Diagram (flowchart)
3. Scientific Method
4. Perform the calculations and round off each answer to the correct number of significant figures.
 - a. $162.1\text{g} + 38.73\text{g} + 1.554\text{g} = 202.4\text{g}$
 - b. $21.9\text{m} - 6.34\text{m} + 15.7\text{m} = 173\text{m}$
 - c. $9.88\text{cm} \times 7.2\text{cm} = 71\text{cm}^2$
 - d. $44.75\text{ g} / 1.62\text{ L} = 27.6\text{ g/L}$
5. Express the following quantities in scientific notation
 - a. 600 **6×10^2**
 - b. 7770 **7.77×10^3**
 - c. 0.125 **1.25×10^{-1}**
 - d. 0.0000025 **2.5×10^{-6}**
6. At a track meet, you time a friend running 100 m at 11.00 seconds. The official time of her race is 10.87 seconds. What is your % error? **1.196%**
7. Express each of the following as a whole number or decimal (not in scientific notation).
 - a. 2.5×10^3 **2500**
 - b. 6.25×10^{-4} **0.0000625**



Chemistry Honors Midterm Study Guide

Jessica J Manson



Chemistry Honors Midterm Study Guide:

Christian Home Educators' Curriculum Manual Cathy Duffy,1997-11 **EMRS PGT Chemistry Exam Book (English Edition) - Eklavya Model Residential School Post Graduate Teacher - 10 Practice Tests (1500 Solved Questions)** EduGorilla Prep Experts,2023-10-01 Best Selling Book in English Edition for EMRS PGT Post Graduate Teacher Chemistry Exam with objective type questions as per the latest syllabus Compare your performance with other students using Smart Answer Sheets in EduGorilla s EMRS PGT Post Graduate Teacher Chemistry Exam Practice Kit EMRS PGT Post Graduate Teacher Chemistry Exam Preparation Kit comes with 10 Practice Tests with the best quality content Increase your chances of selection by 16X EMRS PGT Post Graduate Teacher Chemistry Exam Prep Kit comes with well structured and 100% detailed solutions for all the questions Clear exam with good grades using thoroughly Researched Content by experts

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