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# Chemistry

## Checklist & Study Guide

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Lindbergh High School  
2014-2015  
K. Smith, Room 223

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### Overview

The following topics are reviewed from the physical science course. Lectures and in-class activities are designed so that students focus more on the application of the concepts and big ideas. For the first exam students are expected to demonstrate their knowledge in the following areas:

### Big Ideas

The semester final assesses your ability to demonstrate your learning on the following big ideas:

1. Math & Measurement: **All measurements have a degree of uncertainty.**
2. Matter- Classification, Properties, and Changes: **Physical material in our universe is made of matter.**
3. The Structure of the Atom: **Atoms are the fundamental building blocks of matter.**

### Learning Objectives & Outcomes

Math & Measurement	I CAN:	Assignments
All measurements have a degree of uncertainty – Measurements are not exact numbers	Determine the number of significant figures in a measurement	Significant Figures Practice
	Use the correct number of significant figures in reporting measurements and the results of calculations.	Pg. 95: # 56, 80, 63, 59, 74
	Use the appropriate SI units for length, mass, volume	Scientific Notation Practice I
	Know the following SI prefixes: K H D (Base) d c m $\mu$ , n	Extra Practice: Pg. 99 # 1, 2
	Analyze the accuracy and precision of data	

## Questions?

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**Kaplan and Sadock's Study Guide and Self-examination Review in Psychiatry** Benjamin J. Sadock, Virginia A. Sadock, Ze'ev Levin, 2007 This study guide is an excellent aid in preparing for boards and other psychiatry exams and in reinforcing a student's knowledge It offers chapter overviews of Synopsis Tenth Edition and more than 1 600 multiple choice questions with discussions of correct and incorrect answers Frankenstein Thrift Study Edition Mary Shelley, 2012-03-06 Includes the unabridged text of Shelley's classic novel plus a complete study guide that features chapter by chapter summaries explanations and discussions of the plot question and answer sections author biography historical background and more *Diversity, Equity, and Inclusion for Mathematics and Science Education: Cases and Perspectives* Lin, Cheng-Yao, Sun, Li, 2025-06-04 Diversity equity and inclusion DEI are critical pillars for transforming mathematics and science education As classrooms diversify the need to address systemic barriers and create inclusive learning environments becomes more urgent Cases on DEI in STEM education highlight the real world challenges and strategies educators face in promoting equitable access to learning opportunities dismantling biases and empowering students from historically marginalized communities Further exploration may reveal powerful teaching tools and catalyze reflective practice and institutional change encouraging educators to critically examine their roles in shaping a more inclusive future in math and science Cases on Diversity Equity and Inclusion for Mathematics and Science Education explores key issues and concepts related to diversity equity and inclusion in mathematics and science classrooms It offers solutions and successful strategies for teaching and learning in mathematics and science This book covers topics such as inclusive classrooms K 12 education pre service teaching and is a useful resource for educators sociologists academicians researchers and scientists *REHS/RS Study Guide: A Guide for Environmental Health Responsibilities and Competencies (5th edition)* National Environmental Health Association (NEHA), 2024-01-01 The REHS RS Study Guide reflects the most recent changes and advancements in environmental health technologies and theories Incorporating the insights of 29 subject matter experts from across academia

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