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## ACS CHEMISTRY FINAL EXAM STUDY GUIDE

- milli (m) (m has 3 lines, upside down it's a w (win) so negative=loss):  $10^{-3}$
- micro (inappropriate joke, i don't want Quizlet to ban me lol):  $10^{-6}$
- nano:  $10^{-9}$
- pico (p):  $10^{-12}$
- mono: one, single, alone
- di: two
- tri: three (tricycle)
- tetra: four (tetrapod) - dogs, cats, vertebrae animals
- penta: five (pentagon)
- hexa: 6 (hexagon)
  
- hepta: 7 (heptagon)
- octa: 8 (octopus, stop)
- nona: 9 (no = neign in German)
- deca: 10 (decade = 10 years)
- molar mass: the mass of one mole of a pure substance
- molar ratio: ratio of coefficients in a chemical equation
- limiting reactant: A reactant that is totally consumed during a chemical reaction, limits the extent of the reaction, and determines the amount of product.
- percent composition: the percent by mass of each element in a compound
- molarity: the number of moles of solute per liter of solution
- percent yield:  $\text{actual yield/theoretical yield} \times 100$
- empirical formula: a chemical formula showing the ratio of elements in a compound rather than the total number of atoms
- molecular formula: A chemical formula that shows the number and kinds of atoms in a molecule, but not the arrangement of the atoms.
- gas laws: describe how the behavior of gases is affected by pressure, volume, and temperature

# 2nd Semester Chemistry Final Exam Study Guide

**Robert R. Redfield**



## **2nd Semester Chemistry Final Exam Study Guide:**

## **2nd Semester Chemistry Final Exam Study Guide** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the energy of words has are more evident than ever. They have the capability to inspire, provoke, and ignite change. Such is the essence of the book **2nd Semester Chemistry Final Exam Study Guide**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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