

CHEMISTRY REVIEW: KEY CHAPTER 9 – CHEMICAL NAMES AND FORMULAS

- In a Stock name such as iron (II) sulfate, the roman numeral tells us (2)
 - How many atoms of the anion are in formula unit.
 - How many sulfate ions can be attached to the iron atom.
 - The charge on each Fe ion.
 - The total positive charge of the formula unit.
- The result of changing a subscript in a correctly written chemical formula is (3)
 - Change the number of moles represented in the formula.
 - Change the charges on the other ions in the compound.
 - Change the formula so that it no longer represents the compound.
 - Have no effect on the formula.
- Derive a generalization for when an acid name will end in the suffix -ic or -ous. If ending in -ic, the anion ended in -ate. If ending in -ous, the anion ended in -ite.
- Derive a generalization for when an acid name will begin with the prefix hydro-. If prefix is hydro-, the anion ended in -ite. This is almost always a monatomic ion.
- Fill in the blanks in the table below.

Compound Name	Formula
Acetic acid	$\text{HC}_2\text{H}_3\text{O}_2$
Aluminum sulfate	$\text{Al}_2(\text{SO}_4)_3$
Lead II chloride	PbCl_2
Ammonium phosphate	$(\text{NH}_4)_3\text{PO}_4$
Hydrochloric acid	HCl
Dinitrogen pentoxide	N_2O_5
Copper II carbonate	CuCO_3
Sodium sulfate	Na_2SO_4
Ammonium phosphate	$(\text{NH}_4)_3\text{PO}_4$
Barium sulfate	BaSO_4
Nitrous acid	HNO_2
Magnesium perchlorate	$\text{Mg}(\text{ClO}_4)_2$
Iron II nitrate	$\text{Fe}(\text{NO}_3)_2$
Iron III nitrate	$\text{Fe}(\text{NO}_3)_3$
Sulfur trioxide	SO_3
Sulfur dioxide	SO_2
Barium perchlorate	$\text{Ba}(\text{ClO}_4)_2$
Tetraphosphorus hexasulfide	P_4S_6
Phosphoric acid	H_3PO_4

- Name the following compound and identify its molecular formula (2)
 - $\text{Ca}(\text{NO}_3)_2$ calcium (barium) nitrate - II
 - $\text{Fe}(\text{NO}_3)_3$ iron III nitrate - II
 - $\text{Fe}(\text{ClO}_4)_2$ iron III perchlorate - II
 - N_2O_5 dinitrogen pentoxide - III

Chapter 9 Chemical Names And Formulas Answers

Jay Ellis Stannard



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Understanding Chemistry Fred M. Dewey, 1994 ... *Chemistry* Jay Ellis Stannard, 1927 **Chemistry** Henry Dorin, 1987 **Student's Guide to Introduction to Chemical Principles by Edward I. Peters, 2d Ed** Peter P. Berlow, 1978 *Essentials of Chemistry* Dennis D. Staley, Antony C. Wilbraham, 1984 **Essential Concepts of Chemistry Study Guide** James R. Braun, Sherman, 1999 10 in One Study Package for CBSE Science Class 10 with 3 Sample Papers & 16 Chapter Tests ebook Disha Experts, 2017-09-01 These books contain Access Codes along with instructions to access the Online Material In case you face any difficulty write to us at ebooks support aietco in 10 in ONE CBSE Study Package Science class 10 with 3 Sample Papers is another innovative initiative from Disha Publication This book provides the excellent approach to Master the subject The book has 10 key ingredients that will help you achieve success 1 Chapter Utility Score CUS 2 Exhaustive Theory with Concept Maps 3 Text Book exercises 4 VSA SA LA Questions 5 Past year questions including 2017 Solved papers 6 HOTS Value based Exemplar 7 Past NTSE Exemplar MCQ s 8 16 Chapter Tests ebooks 9 Important Formulas Terms Definitions 10 3 Sample Papers with detailed solutions **Structure and Change** Alan C. Blizard, Richardson, R. A. (Robert A.), Humphreys, D. A. (David A.), 1981 **Essential Concepts of Chemistry** Sharon J. Sherman, 1998-09 The Digester, Over the Spillway, 1976 *Pharmacology for the Surgical Technologist* Katherine Snyder, Chris Keegan, 2016-02-24 Learn with the most trusted pharmacology text written specifically for surgical technologists *Pharmacology for the Surgical Technologist* 4th Edition ensures that as an integral member of the operating room team you have an in depth understanding of surgical medications It covers everything from basic conversions terminology and calculations to anesthesia and medications used for perioperative care This edition adds coverage of next generation antibiotics new technology in orthopedics advances in cataract surgery and more plus a full color design and expanded art program An Evolve companion website lets you practice drug calculations Written by experienced Surgical Technology educators Katherine Snyder and Chris Keegan this book covers all areas of pharmacology that are designated in the Core Curriculum for Surgical Technology 6th Edition Coverage of pharmacology meets the needs of the Surgical Technologist and includes all areas designated in the Core Curriculum for Surgical Technology 6th Edition Chapter study questions help you measure your knowledge and apply it to practice and serve as a review tool for classroom and certification exams Clinical features include Tech Tips from experts Caution boxes with drug alerts to help prevent potential patient harm and Notes simplifying difficult concepts Insight boxes provide in depth cutting edge information about a specific product procedure or process Concise three part organization makes it easier to understand 1 the foundations of pharmacology mathematics and drug administration 2 applications of pharmacology to the surgical environment and 3 preoperative medications types of anesthesia and emergency situations Evolve companion website includes exercises allowing you to practice math calculations as well as drug monographs from Mosby's Essential Drugs for Surgical Technology

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Table of Contents Chapter 9 Chemical Names And Formulas Answers

1. Understanding the eBook Chapter 9 Chemical Names And Formulas Answers
 - The Rise of Digital Reading Chapter 9 Chemical Names And Formulas Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Chapter 9 Chemical Names And Formulas Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Chapter 9 Chemical Names And Formulas Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Chapter 9 Chemical Names And Formulas Answers
 - Personalized Recommendations
 - Chapter 9 Chemical Names And Formulas Answers User Reviews and Ratings
 - Chapter 9 Chemical Names And Formulas Answers and Bestseller Lists
5. Accessing Chapter 9 Chemical Names And Formulas Answers Free and Paid eBooks
 - Chapter 9 Chemical Names And Formulas Answers Public Domain eBooks
 - Chapter 9 Chemical Names And Formulas Answers eBook Subscription Services
 - Chapter 9 Chemical Names And Formulas Answers Budget-Friendly Options

6. Navigating Chapter 9 Chemical Names And Formulas Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Chapter 9 Chemical Names And Formulas Answers Compatibility with Devices
 - Chapter 9 Chemical Names And Formulas Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Chapter 9 Chemical Names And Formulas Answers
 - Highlighting and Note-Taking Chapter 9 Chemical Names And Formulas Answers
 - Interactive Elements Chapter 9 Chemical Names And Formulas Answers
8. Staying Engaged with Chapter 9 Chemical Names And Formulas Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Chapter 9 Chemical Names And Formulas Answers
9. Balancing eBooks and Physical Books Chapter 9 Chemical Names And Formulas Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Chapter 9 Chemical Names And Formulas Answers
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Chapter 9 Chemical Names And Formulas Answers
 - Setting Reading Goals Chapter 9 Chemical Names And Formulas Answers
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Chapter 9 Chemical Names And Formulas Answers
 - Fact-Checking eBook Content of Chapter 9 Chemical Names And Formulas Answers
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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