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CHEMICAL NAMES AND FORMULAS

SECTION 9.1 NAMING IONS (pages 253–258)

This section explains the use of the periodic table to determine the charge of an ion. It also defines polyatomic ion and gives the names and formulas for the most common polyatomic ions.

► Monatomic Ions (pages 253–256)

1. What are monatomic ions?

Monatomic ions are ions consisting of only one atom.

2. How is the ionic charge of a Group 1A, 2A, or 3A ion determined?

The ionic charge is numerically equal to the group number.

3. How is the ionic charge of a Group 5A, 6A, or 7A ion determined?

The charge of an ion in Groups 5A, 6A, or 7A is determined by subtracting 8 from the group number.

4. Circle the letter of the type of element that often has more than one common ionic charge.

- a. alkali metal
- b. alkaline earth metal
- ☒ c. transition metal
- d. nonmetal

5. The Stock system of naming transition metal cations uses a Roman numeral in parentheses to indicate the numeric value of the ionic charge.

6. An older naming system uses the suffix *-ous* to name the cation with the lesser charge, and the suffix *-ic* to name the cation with the greater charge.

7. What is a major advantage of the Stock system over the old naming system?

The Stock system gives the actual charge of the ion.

Chapter 9 Chemical Names Formulas Answers Key

Thomas Elliott Taylor



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Understanding Chemistry Fred M. Dewey, 1994 *Educart One-shot Science CBSE Class 10 Question Bank 2025-26 on new Syllabus 2026 (Strictly for Boards Exam)* Educart, 2025-05-26 Book Structure Handpicked Important Ch wise Q s How Good is the Educart One shot Question Bank Covers essential topics with concise yet detailed explanations to help you grasp concepts quickly Aligned with the latest rationalised syllabus to ensure relevant and up to date content Includes a variety of High Order Thinking Questions to build problem solving skills Step by step answers to NCERT and exemplar problems for better understanding Previous Year DIKSHA Platform Questions to give you real exam exposure Smart Study Tips Tricks to strengthen your conceptual clarity and boost confidence Why choose this book Get the Educart One Shot Question Bank today and take your exam preparation to the next level *Oswaal NDA-NA Question Bank | Chapter-wise Previous Years Solved Question Papers (2014-2023) Set of 3 Books : English, General Studies, Mathematics For 2024 Exam* Oswaal Editorial Board, 2023-10-28 Description of the Product 100% updated with Fully Solved April September 2023 Papers Concept Clarity with Concept based Revision notes Mind Maps Extensive Practice with 800 Questions and Two Sample Question Papers Crisp Revision with Concept Based Revision notes Mind Maps Mnemonics Expert Tips helps you get expert knowledge master crack NDA NA in first attempt Exam insights with 5 Year wise 2019 2023 Trend Analysis empowering students to be 100% exam ready [Oswaal NDA-NA \(NATIONAL DEFENCE ACADEMY/NAVAL ACADEMY\) 11 Years' Chapter-wise & Topic-wise Solved Papers 2014-2024 \(II\) | General Ability Test: General Studies | For 2025 Exam](#) Oswaal Editorial Board, 2024-09-26 Welcome to the world of National Defence Academy NDA one of the most prestigious military academies in the world Aspiring to join the NDA and serve your country is a noble and challenging endeavour and cracking the NDA entrance examination is the first step towards achieving that dream This book NDA NA Chapter wise Topic wise Solved Papers General Ability Test General Studies is designed to help you in your preparation for the NDA entrance examination It is a Comprehensive Question Bank with Conceptual Revision Notes detailed solutions are provided in a step by step manner making it easier for you to understand the concepts and techniques required to solve the questions accurately and efficiently Some benefits of studying from Oswaal NDA NA Solved papers are 100% updated with Fully Solved Paper of September 2024 II Concept Clarity with detailed explanations of 2014 to 2024 II Papers Extensive Practice with 1200 Questions and Two Sample Question Papers Crisp Revision with Concept Based Revision Notes Mind Maps Mnemonics Expert Tips helps you get expert knowledge master crack NDA NA in first attempt Exam insights with Previous Year 2019 2024 Trend Analysis empowering students to be 100% exam ready This book has been developed with the highest editorial standards keeping in mind the rigor and meticulousness required of an exam resource catering to NDA NA The features of the book make it a must have for anyone preparing for NDA NA 2025 We hope it will help students to supplement their NDA NA preparation strategy and secure a high rank *Oswaal NDA-NA (NATIONAL DEFENCE ACADEMY/NAVAL ACADEMY) Chapter-wise &*

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Taylor, 1979 *Foundations of College Chemistry* Morris Hein, 1991 Features strong problem solving and carefully constructed problem sets *Prentice Hall Chemistry*, 2000 Chemical Interactions, 2005 **Introduction to Chemical**

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